

GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model

Run on: March 31, 2003, 17:07:27 ; Search time 6403 Seconds

(without alignments)  
10079.770 Million cell updates/sec

Title: US-09-988-971-1

Perfect score: 2567

Sequence: 1 cccacgcgtccgctgcggagc.....aaaaaaaaaaaaaaaaa 2567

Scoring table: OLIGO NUC  
Gapop 60.0 , Gapext 60.0

Searched: 24791104 seqs, 1257123825 residues

Word size : 0

Total number of hits satisfying chosen parameters: 49582208

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-Processing: Listing first 100 summaries

Database : Pending Patents NA Main:\*

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Result No.	Score	Query Match	Length	ID	Description
1	2567	100.0	2567	US-09-988-971-1	Sequence 1, Appl 1
2	1137	44.3	32768	US-60-208-865-90	Sequence 90, Appl 1
3	1137	44.3	32768	US-60-213-178-220	Sequence 220, Appl 1
4	936	36.5	1539	US-09-471-275-6821	Sequence 6861, Appl 1
5	868	33.8	875	US-09-867-550-1915	Sequence 1915, Appl 1
6	829	32.3	1413	PCT-US01-42950-107	Sequence 107, Appl 1
7	829	32.3	1413	US-09-714-936-120	Sequence 120, Appl 1
8	775	30.2	864	US-09-814-353-21302	Sequence 21302, A
9	775	30.2	864	US-09-814-353A-21302	Sequence 21302, A
10	770	30.0	873	US-09-649-166-5499	Sequence 5499, Appl 1
11	770	30.0	873	US-09-652-814-10683	Sequence 10683, A
12	770	30.0	873	US-09-658-513-5767	Sequence 5767, Appl 1
13	740	28.8	909	US-09-649-166-5314	Sequence 5314, Appl 1
14	740	28.8	909	US-09-652-124-8164	Sequence 8164, Appl 1
15	740	28.8	909	US-09-652-814-9203	Sequence 9203, Appl 1
16	708	27.6	763	US-09-867-550-953	Sequence 953, Appl 1
17	697	27.2	881	US-09-587-218-335	Sequence 335, Appl 1
18	681	26.5	875	US-09-652-814-7650	Sequence 7650, Appl 1
19	651	25.4	2189	US-09-457-971-98	Sequence 98, Appl 1
20	651	25.4	2189	US-09-952-861-97	Sequence 97, Appl 1
21	614	23.9	1087	US-09-617-526-1434	Sequence 1434, Appl 1

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

C 22	561	22.6	930	16	US-09-277-227-16231	Sequence 16231, A
C 23	561	22.6	930	34	US-09-909-627-16231	Sequence 16231, A
C 24	560	22.6	933	16	US-09-277-227-16230	Sequence 16230, A
C 25	560	22.6	933	34	US-09-909-627-16230	Sequence 16230, A
26	570	22.2	1523	17	US-09-347-127-67	Sequence 67, Appl
27	570	22.2	1523	34	US-09-905-059-67	Sequence 3408, Ap
28	554	21.6	597	25	US-09-652-816-3408	Sequence 1436, Ap
29	542	21.1	705	1	PCT-US01-01354-1436	Sequence 1436, Ap
30	542	21.1	705	30	US-09-764-905-1436	Sequence 1436, Ap
31	542	21.1	705	39	US-10-092-399-1436	Sequence 7880, Ap
32	521	20.3	1358	22	US-09-577-410-7880	Sequence 53130, A
33	514	20.0	878	19	US-09-528-409-53130	Sequence 53130, A
34	514	20.0	878	35	US-09-933-524-53130	Sequence 53130, A
35	514	20.0	878	35	US-09-933-524-53130	Sequence 53130, A
36	474	18.5	726	16	US-09-277-227-16222	Sequence 16222, A
37	474	18.5	726	34	US-09-909-627-16222	Sequence 10554, A
38	452	17.6	2049	1	PCT-US01-08631-10554	Sequence 30794, A
39	446	17.4	756	18	US-09-489-036-30794	Sequence 30794, A
40	446	17.4	756	35	US-09-943-143-30794	Sequence 1170, Ap
41	442	17.2	448	65	US-60-213-178-1170	Sequence 16018, A
42	430	16.8	1507	71	US-60-278-258-16018	Sequence 19157, A
43	428	16.5	768	18	US-09-534-846-19157	Sequence 30791, A
44	423	16.5	768	20	US-09-489-036-30791	Sequence 9039, Ap
45	423	16.5	768	35	US-09-943-143-30791	Sequence 9819, Ap
46	421	16.4	1430	25	US-09-652-123-9039	Sequence 9819, Ap
47	421	16.4	1430	25	US-09-652-124-9819	Sequence 9916, Ap
48	421	16.4	1430	25	US-09-652-126-9916	Sequence 9350, Ap
49	421	16.4	1430	25	US-09-652-816-9350	Sequence 9615, Ap
50	421	16.4	1430	25	US-09-652-914-9615	Sequence 15270, A
51	421	16.4	1430	27	US-09-698-010-15270	Sequence 5394, Ap
52	421	16.4	1430	28	US-09-698-014-5394	Sequence 4632, Ap
53	421	16.4	1430	28	US-09-717-350-4632	Sequence 5028, Ap
54	421	16.4	1430	29	US-09-721-588-5028	Sequence 7475, Ap
55	421	16.4	1430	29	US-09-726-788-7475	Sequence 2161, Ap
56	421	16.4	1430	29	US-09-726-804-2161	Sequence 6089, Ap
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58	421	16.4	1430	29	US-09-726-811-4086	Sequence 1559, Ap
59	421	16.4	1430	29	US-09-726-811-1559	Sequence 12816, A
60	421	16.4	1430	29	US-09-726-811-1559	Sequence 10133, A
61	421	16.4	1430	29	US-09-726-811-1559	Sequence 10133, A
62	417	16.2	1495	61	US-60-172-373-12816	Sequence 10552, A
63	411	16.0	481	16	US-09-271-990-10133	Sequence 410, App
64	411	16.0	481	34	US-09-925-552-10133	Sequence 1259, App
65	411	16.0	481	38	US-10-032-354-10133	Sequence 9385, Ap
66	405	15.8	603	1	PCT-US01-08631-10552	Sequence 23388, A
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68	400	15.6	622	42	US-10-227-582-410	Sequence 1464, Ap
69	387	15.1	760	25	US-09-652-814-9385	Sequence 1464, Ap
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71	377	14.7	377	18	US-09-489-036-23388	Sequence 3528, App
72	377	14.7	377	35	US-09-943-143-23388	Sequence 3003, App
73	372	14.5	731	16	US-09-277-227-16213	Sequence 6669, App
74	372	14.5	731	16	US-09-277-227-16213	Sequence 2896, App
75	359	14.0	66741	66	US-60-226-176-1464	Sequence 30792, A
76	359	14.0	66741	67	US-60-223-168-1464	Sequence 1254, App
77	359	14.0	66741	75	US-60-313-371-1464	Sequence 3888, App
78	346	13.5	444	33	US-09-867-550-951	Sequence 72767, A
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Qy 661 CCCAGCTTCCAGCGTGGCCAAAGTCTCCCATGGGGTGTGTATGAGGGCTGAGCAGAGG 720
Db 661 CCCAGCTTCCAGCGTGGCCAAAGTCTCCCATGGGGTGTGTATGAGGGCTGAGCAGAGG 720
Qy 721 AAAAGCAGAGAACTGCTGTGTGTTACCTTGGAACTTGGAGGGCTTCTCATCCGGAG 780
Db 721 AAAAGCAGAGAACTGCTGTGTGTTACCTTGGAACTTGGAGGGCTTCTCATCCGGAG 780
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Db 781 AGCCAGACAGAGAGAGGCTTACTCTGTCAAGTCCGGCTCAGCGCCCTGATCTGG 840
Qy 841 GACCGGATCAGACATACAGATCCACTGCTTGAACATGGCTGGCTGTACATCTCACC 900
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Qy 1021 GATATACCCCTTACTGAGTGTGAGAGAGACCAATCMACTGAGAAAGTCTGAGCAGC 1080
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Qy 1141 GAGTCCCTCAGCTTCTACATCAGCTGAGTGAAGAGAGGCTGTCTTGTGATGATGCTAG 1200
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Qy 2341 CCTGATTTCCCTGCTGCTCCATTAACAGAAAGAGTCTGTGATGCTGATGATG 2400
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Db 2401 AGGAGAGAGAAAGAGAGGATGGGAGGAGGACCCCTGCAAGTCTCTGATGCTG 2460
Qy 2461 CCAAGCTACAGTGGGTGGGAAAGCTTATGAGTATCAAGTATCAACAGTCTCAATTA 2520
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Qy 2521 AGATTGATTTATTAAGTATGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAG 2567
Db 2521 AGATTGATTTATTAAGTATGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAG 2567

RESULT 2
US-60-208-965-90
; Sequence 90, Application US/60208965
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS OF THE
; TITLE OF INVENTION: SER/THR AND TYR FAMILY OF KINASES. NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING THESE HUMAN KINASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: C100639
; CURRENT APPLICATION NUMBER: US/60/208,965
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Db 964 GGGGGTCTGACCTTATGTTCTTGGTTGGGTTTCCAGTACCACTTGGATCCCTG 1023  
Qy 1536 CTGTAGAGCCCATTTCTACATCCCACTTAACAGAGCCCAACCAAGTAAGAA 1595  
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Qy 1596 ACCCTAGAGTCAAGAAAGTCAATTTTCAAGAAATCTCAAGTCTGGTTGAACAC 1655  
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Qy 1556 ACCATACCTCAGAAAGTGAAGCTGTGGCTTAGAAGGAAAGAAAGTAATGTCT 1715  
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Qy 1716 TACCTAGAGCAGATCTTGGATGTCTCAGGCTCATGTAGTCACTCAGAGCAAGAA 1775  
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Qy 1776 GACTTGAACAGTCTAGGTCTCTCAATGTCCCTCATTGAGGACAAAGCCCACTCTT 1835  
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Qy 1836 TTTCTTTTGTGAGAGAGAGTCTGCTGTTGGCCCATGCTGAGTGAATGAGCAGAT 1895  
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Qy 1896 CTAGCTCAGTCAACCTCTCATCTCTGGATTCAAAATTTCTCTGCTCCTAGCTCCAG 1955  
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Qy 1956 AATAGTGGATTACAGGCGTACACCAACCATGCTGCTAATTTTGTATTTTATGTA 2015  
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Db 1503 GACATGGGTTTACACCATTTGGCCAGGCTGTGTCTG 1539

RESULT 5  
us-09-987-550-1915  
; Sequence 1915, Application US/09867550  
; GENERAL INFORMATION:  
; APPLICANT: Leach, Martin D.  
; APPLICANT: Mehraban, Fuad.  
; APPLICANT: Conley, Pamela  
; APPLICANT: Law, Debbie  
; APPLICANT: Topper, James  
; TITLE OF INVENTION: Novel Polynucleotides from Atherogenic Cells and Polypeptides Enc  
; TITLE OF INVENTION: Thereby  
; FILE REFERENCE: 21402-013 (Cura-113)  
; CURRENT APPLICATION NUMBER: US/09/867,550  
; CURRENT FILING DATE: 2001-09-20  
; PRIOR APPLICATION NUMBER: USSN 60/208,427  
; PRIOR FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 2125  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1915  
; LENGTH: 875  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)  
; OTHER INFORMATION: Wherein n is one of a or t or c or g  
us-09-987-550-1915

Query Match 33.8%; Score 868; DB 33; Length 875;  
Best Local Similarity 100.0%; Pred. No. 1.3e-132;  
Matched 868; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2 GATTCACCTGCTTGAACATGGCTGGCTGTACATCTACACCGGCTCACTTCCCTCAG 61  
Qy 920 TCCAGGCTCTGTGACACATTACTTGAAGTGGCGGATGACATCTGTGCTTCACTCAAG 979  
Db 62 TCCAGGCTCTGTGACACATTACTTGAAGTGGCGGATGACATCTGTGCTTCACTCAAG 121  
Qy 980 AGCCCTGTGCTCTGAGAGAGGCTGGCCGCTCCCTGAGCAAGATATPCCCTACCTGTA 1039  
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Qy 1040 CTGTGACAGAGACCACTCAACCTGAAAGAGTGAACAGTCTCTCTCTGTTTCTGAA 1099  
Db 182 CTGTGACAGAGACCACTCAACCTGAAAGAGTGAACAGTCTCTCTCTGTTTCTGAA 241  
Qy 1100 CTGCAAGAGGAGAGAGTCTCTTCTCAGTGAAGGTCTCCGAGAGTCCCTACCTTACA 1159  
Db 242 CTGCAAGAGGAGAGAGTCTCTTCTCAGTGAAGGTCTCCGAGAGTCCCTACCTTACA 301  
Qy 1160 TCAAGCTTAATGACAGAGCTCTCTTGTGATGATCTTGAAGCTTCAAGAGGCTCAAA 1219  
Db 302 TCAAGCTTAATGACAGAGCTCTCTTGTGATGATCTTGAAGCTTCAAGAGGCTCAAA 361  
Qy 1220 AGGAAACCAAGGCTGACACCTAGAAACCCCAATTCAGCTCTGAGGACCCAGAGCA 1279  
Db 362 AGGAAACCAAGGCTGACACCTAGAAACCCCAATTCAGCTCTGAGGACCCAGAGCA 421  
Qy 1280 AGCTGTGCACTCAAGAGAGAGGCTGGAGACAGAGTGCATCTAGAGTCCCACTGTA 1339  
Db 422 AGCTGTGCACTCAAGAGAGAGGCTGGAGACAGAGTGCATCTAGAGTCCCACTGTA 481  
Qy 1340 CCTTGTCTCTTCTCTCTTGAAGTCACTTCACTTCTCTGAGTGCATGATC 1399  
Db 482 CCTTGTCTCTTCTCTCTTGAAGTCACTTCACTTCTCTGAGTGCATGATC 541  
Qy 1400 CCACTGCGACCTTCTGATGCGAGTGCAGAGAGTGGACCAAGGCTTCCAAAA 1459  
Db 542 CCACTGCGACCTTCTGATGCGAGTGCAGAGAGTGGACCAAGGCTTCCAAAA 601  
Qy 1460 GAGAAATAGCTCTCTGGGGGCTGTGACCTAGTTAGTTCTTGAAGTTGGGTTTCCAGTAC 1519  
Db 602 GAGAAATAGCTCTCTGGGGGCTGTGACCTAGTTAGTTCTTGAAGTTGGGTTTCCAGTAC 661  
Qy 1520 CATCTGATGCTGCTGCTGTGAGCCCATTTCAATCCCCCACTTAACAGAGCCCA 1579  
Db 662 CATCTGATGCTGCTGCTGTGAGCCCATTTCAATCCCCCACTTAACAGAGCCCA 721  
Qy 1580 CCAAGAGTGAACCAACCTCTAGAGTCAAGAAAGTCAATTTTCAAGAAATCTCAAG 1639  
Db 722 CCAAGAGTGAACCAACCTCTAGAGTCAAGAAAGTCAATTTTCAAGAAATCTCAAG 781  
Qy 1640 TCTGCTTGAAGCAACCACTTCTCAGAAAGTGAAGTGTGGCTTGAAGGAAAGGA 1699  
Db 782 TCTGCTTGAAGCAACCACTTCTCAGAAAGTGAAGTGTGGCTTGAAGGAAAGGA 841  
Qy 1700 AGCTGAGATGATGCTTACCGTAGCAGC 1727  
Db 842 AGCTGAGATGATGCTTACCGTAGCAGC 869

RESULT 6  
PCT-US01-42950-107  
; Sequence 107, Application PC/TUS0142950  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc  
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 21272-096  
; CURRENT APPLICATION NUMBER: PCT/US01/42950  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 09/714,936  
; PRIOR FILING DATE: 2000-11-17  
; NUMBER OF SEQ ID NOS: 682  
; SOFTWARE: PatentIn version 3.0



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; SEQ ID NO 107
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (54)..(686)
PCT-US01-42850-107

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Query Match      32.3%; Score 829; DB 1; Length 1413;
Best Local Similarity 100.0%; Pred. No. 2.4e-126;
Matches 829; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 996 GAGGGCTGGCCCGCTCCCTGGGAGAAATATACCCCTACCTGTGACTGTGAGAGACACC 1055
DB 585 GAGGGCTGGCCCGCTCCCTGGGAGAAATATACCCCTACCTGTGACTGTGAGAGACACC 644
QY 1056 ACTCACTGGAAGAGCTGGAGACAGCTCCCTCTGTTTCTGAAGCTGCCACAGGGAGGA 1115
DB 645 ACTCACTGGAAGAGCTGGAGACAGCTCCCTCTGTTTCTGAAGCTGCCACAGGGAGGA 704
QY 1116 GTCTCTCTCAGTGAAGGCTCTCCGGAGTCCCTCAGCTTCAATCAGCTGAAATGAGA 1175
DB 705 GTCTCTCTCAGTGAAGGCTCTCCGGAGTCCCTCAGCTTCAATCAGCTGAAATGAGA 764
QY 1176 GAGCTGTCTCTTTGATGATGCTTGAAGGCCCAAGAGAGGCCCAAGGAAAACCAAGCTG 1235
DB 765 GAGCTGTCTCTTTGATGATGCTTGAAGGCCCAAGAGAGGCCCAAGGAAAACCAAGCTG 824
QY 1236 CACACCTAGAACCCCAATTACAGCTCCCTGGGAGACCCAGAGGCAAGGCTGTGACTCAGG 1295
DB 825 CACACCTAGAACCCCAATTACAGCTCCCTGGGAGACCCAGAGGCAAGGCTGTGACTCAGG 884
QY 1296 GAGGAGGCTGGGAGACACAGAGGTGATCTAGAGGTCCACCTGTACCTTCTCTTCTCTC 1355
DB 885 GAGGAGGCTGGGAGACACAGAGGTGATCTAGAGGTCCACCTGTACCTTCTCTTCTCTC 944
QY 1356 TCTTAGCCCTTAGAATGACCTACTCTCTTCCAGTCCATGATCCCACTGAGCACTCTCA 1415
DB 945 TCTTAGCCCTTAGAATGACCTACTCTCTTCCAGTCCATGATCCCACTGAGCACTCTCA 1004
QY 1416 GTGCGAGTGCAGAGAAAGGTGGGACAGAGGCCAGGTTCCAAAAAGAAATTAACCTCTCTG 1475
DB 1005 GTGCGAGTGCAGAGAAAGGTGGGACAGAGGCCAGGTTCCAAAAAGAAATTAACCTCTCTG 1064
QY 1476 GGGGGTCTGACCTAGTATGTTCTTGAAGTTGGGGTTTCCAGTACATCTGATGCCCTGC 1535
DB 1065 GGGGGTCTGACCTAGTATGTTCTTGAAGTTGGGGTTTCCAGTACATCTGATGCCCTGC 1124
QY 1536 CTGTTGAGCCCCATTCTACATCCCACTTAACAGAGGCCCACTCAAGGTAGAAACA 1595
DB 1125 CTGTTGAGCCCCATTCTACATCCCACTTAACAGAGGCCCACTCAAGGTAGAAACA 1184
QY 1596 ACCCTAGAGTCAACGAGAAAGTCAATTTTCAAGAAATCTCAAGTCTGTTGAGACACC 1655
DB 1185 ACCCTAGAGTCAACGAGAAAGTCAATTTTCAAGAAATCTCAAGTCTGTTGAGACACC 1244
QY 1656 ACCATACCTCAAGAGGTAGAGCTGTGCTTAGAAGGAAAGAAAGCTGATGATGCTCT 1715
DB 1245 ACCATACCTCAAGAGGTAGAGCTGTGCTTAGAAGGAAAGAAAGCTGATGATGCTCT 1304
QY 1716 TACGATAGCAGAGATCTTGATGATCCAGGCTCTATGTGACCTTCCAGACCAAGAGAAA 1775
DB 1305 TACGATAGCAGAGATCTTGATGATCCAGGCTCTATGTGACCTTCCAGACCAAGAGAAA 1364
QY 1776 GACTTCGAGACAGTCTAGTCTCAAAATGTCCCCCATTTGAGACCAAGC 1824
DB 1365 GACTTCGAGACAGTCTAGTCTCAAAATGTCCCCCATTTGAGACCAAGC 1413

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RESULT 7
US-09-714-936-120
; Sequence 120, Application US/09714936

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; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Aendi, Vinod
; APPLICANT: Ren, Feiyen
; APPLICANT: Zhang, Jie
; APPLICANT: Zhao, Qing A.
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wehrman, Tom
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 797
; CURRENT APPLICATION NUMBER: US/09/714.936
; NUMBER OF SEQ ID NOS: 362
; SOFTWARE: pc_fl_genes Version 2.0
; SEQ ID NO 120
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (54)..(686)
US-09-714-936-120

```

```

Query Match      32.3%; Score 829; DB 28; Length 1413;
Best Local Similarity 100.0%; Pred. No. 2.4e-126;
Matches 829; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY 996 GAGGGCTGGCCCGCTCCCTGGGAGAAATATACCCCTACCTGTGACTGTGAGAGACACC 1055
DB 585 GAGGGCTGGCCCGCTCCCTGGGAGAAATATACCCCTACCTGTGACTGTGAGAGACACC 644
QY 1056 ACTCACTGGAAGAGCTGGAGACAGCTCCCTCTGTTTCTGAAGCTGCCACAGGGAGGA 1115
DB 645 ACTCACTGGAAGAGCTGGAGACAGCTCCCTCTGTTTCTGAAGCTGCCACAGGGAGGA 704
QY 1116 GTCTCTCTCAGTGAAGGCTCTCCGGAGTCCCTCAGCTTCAATCAGCTGAAATGAGA 1175
DB 705 GTCTCTCTCAGTGAAGGCTCTCCGGAGTCCCTCAGCTTCAATCAGCTGAAATGAGA 764
QY 1176 GAGCTGTCTCTTTGATGATGCTTGAAGGCCCAAGAGAGGCCCAAGGAAAACCAAGCTG 1235
DB 765 GAGCTGTCTCTTTGATGATGCTTGAAGGCCCAAGAGAGGCCCAAGGAAAACCAAGCTG 824
QY 1236 CACACCTAGAACCCCAATTACAGCTCCCTGGGAGACCCAGAGGCAAGGCTGTGACTCAGG 1295
DB 825 CACACCTAGAACCCCAATTACAGCTCCCTGGGAGACCCAGAGGCAAGGCTGTGACTCAGG 884
QY 1296 GAGGAGGCTGGGAGACACAGAGGTGATCTAGAGGTCCACCTGTAGCTGCTTCTCTCTC 1355
DB 885 GAGGAGGCTGGGAGACACAGAGGTGATCTAGAGGTCCACCTGTAGCTGCTTCTCTCTC 944
QY 1356 TCTTAGCCCTTAGAATGACCTACTCTCTTCCAGTCCATGATCCCACTGAGACTCTCA 1415
DB 945 TCTTAGCCCTTAGAATGACCTACTCTCTTCCAGTCCATGATCCCACTGAGACTCTCA 1004
QY 1416 GTGCGAGTGCAGAGAAAGGTGGGACAGAGGCCAGGTTCCAAAAAGAAATTAAGCTCTCTG 1475
DB 1005 GTGCGAGTGCAGAGAAAGGTGGGACAGAGGCCAGGTTCCAAAAAGAAATTAAGCTCTCTG 1064
QY 1476 GGGGGTCTGACCTAGTATGTTCTTGAAGTTGGGGTTTCCAGTACATCTGATGCTCTGC 1535
DB 1065 GGGGGTCTGACCTAGTATGTTCTTGAAGTTGGGGTTTCCAGTACATCTGATGCTCTGC 1124
QY 1536 CTGTTGAGCCCCATTCTACATCCCACTTAACAGAGGCCCACTCAAGGTAGAAACA 1595
DB 1125 CTGTTGAGCCCCATTCTACATCCCACTTAACAGAGGCCCACTCAAGGTAGAAACA 1184

```

Oy 1596 ACCCTTAGAGTCAAGAGAAAGTCAATTTTCAAGAAATCTTCAAGTCTGTTGAGACACACC 1655  
 Db 1185 ACCCTTAGAGTCAAGAGAAAGTCAATTTTCAAGAAATCTTCAAGTCTGTTGAGACACACC 1244  
 Oy 1656 ACCATAGCTCAGAGAGTAGAGTGTGGCTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1715  
 Db 1245 ACCATAGCTCAGAGAGTAGAGTGTGGCTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1304  
 Oy 1716 TACCTAGAGAGAGAGTCTTGGATGCTCCAGGCTCTAATGTACCTCCAGAGAGAGAGAGAG 1775  
 Db 1305 TACCTAGAGAGAGAGTCTTGGATGCTCCAGGCTCTAATGTACCTCCAGAGAGAGAGAGAG 1364  
 Oy 1776 GACTTGAGAGAGTCTAGGCTCTCAATATGCCCCCATTTGAGAGAGAGAGAGAGAGAGAG 1824  
 Db 1365 GACTTGAGAGAGTCTAGGCTCTCAATATGCCCCCATTTGAGAGAGAGAGAGAGAGAGAG 1413

RESULT 8  
 US-09-814-353-21302  
 ; Sequence 21302, Application US/09814353  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lee, John  
 ; APPLICANT: Thompson, Pamela  
 ; APPLICANT: Lillie, James  
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
 ; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
 ; FILE REFERENCE: MRI-006B  
 ; CURRENT APPLICATION NUMBER: US/09/814,353  
 ; PRIOR FILING DATE: 2001-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/191,031  
 ; PRIOR FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/207,124  
 ; PRIOR FILING DATE: 2000-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/211,940  
 ; PRIOR FILING DATE: 2000-06-15  
 ; PRIOR APPLICATION NUMBER: US 60/216,820  
 ; PRIOR FILING DATE: 2000-07-07  
 ; PRIOR APPLICATION NUMBER: US 60/220,661  
 ; PRIOR FILING DATE: 2000-07-25  
 ; PRIOR APPLICATION NUMBER: US 60/257,672  
 ; PRIOR FILING DATE: 2000-12-21  
 ; NUMBER OF SEQ ID NOS: 22037  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 21302  
 ; LENGTH: 864  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: 1, 2, 3, 32, 862, 863, 864  
 ; OTHER INFORMATION: n = A,T,C or G  
 ; US-09-814-353-21302

Query Match 30.2%; Score 775; DB 31; Length 864;  
 Best Local Similarity 100.0%; Pred. No. 1,7e-117;  
 Matches 775; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Oy 19 GCTAGAGCTCCAG 78  
 Db 54 GCTAG 113  
 Oy 79 CTTCCTCCCTGGCTGGCTGTGTCTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 138  
 Db 114 CTTCCTCCCTGGCTGGCTGTGTCTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 173  
 Oy 139 ATGGGAG 198  
 Db 174 ATGGGAG 233  
 Oy 199 CCCAAAGCAAG 258  
 Db 234 CCCAAAGCAAG 293

Oy 259 CTTAGAGCAAG 318  
 Db 294 CTTAGAGCAAG 353  
 Oy 319 CCAG 378  
 Db 354 CCAG 413  
 Oy 379 TCGATGATGTCTTCTGAG 438  
 Db 414 TCGATGATGTCTTCTGAG 473  
 Oy 439 AATCTCTGCAAG 498  
 Db 474 AATCTCTGCAAG 533  
 Oy 499 GAAG 558  
 Db 534 GAAG 593  
 Oy 559 GCCGAGCTGTGCTGAG 618  
 Db 594 GCCGAGCTGTGCTGAG 653  
 Oy 619 TGGAG 678  
 Db 654 TGGAG 713  
 Oy 679 AAGAGCTCCATGGAG 738  
 Db 714 AAGAGCTCCATGGAG 773  
 Oy 739 TTGTTACTGTGAG 793  
 Db 774 TTGTTACTGTGAG 828

RESULT 9  
 US-09-814-353A-21302  
 ; Sequence 21302, Application US/09814353A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lee, John  
 ; APPLICANT: Thompson, Pamela  
 ; APPLICANT: Lillie, James  
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
 ; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
 ; FILE REFERENCE: MRI-006B  
 ; CURRENT APPLICATION NUMBER: US/09/814,353A  
 ; PRIOR FILING DATE: 2001-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/191,031  
 ; PRIOR FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/207,124  
 ; PRIOR FILING DATE: 2000-05-25  
 ; PRIOR APPLICATION NUMBER: US 60/211,940  
 ; PRIOR FILING DATE: 2000-06-15  
 ; PRIOR APPLICATION NUMBER: US 60/216,820  
 ; PRIOR FILING DATE: 2000-07-07  
 ; PRIOR APPLICATION NUMBER: US 60/220,661  
 ; PRIOR FILING DATE: 2000-07-25  
 ; PRIOR APPLICATION NUMBER: US 60/257,672  
 ; PRIOR FILING DATE: 2000-12-21  
 ; NUMBER OF SEQ ID NOS: 22037  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 21302  
 ; LENGTH: 864  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: 1, 2, 3, 32, 862, 863, 864  
 ; OTHER INFORMATION: n = A,T,C or G



US-09-814-353A-21302

Query Match 30.2%; Score 775; DB 31; Length 864;

Best Local Similarity 100.0%; Pred. No. 1.7e-117; Matches 775; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 19 GCTAAGCTCCAGAGACCCCAAGCTGCTCTGAGACAGAGCTCAAAAGGGCCCTGGGC 78
DB 54 GCTAAGCTCCAGAGACCCCAAGCTGCTCTGAGACAGAGCTCAAAAGGGCCCTGGGC 113
QY 79 CTTCCTCCCTGGCTGGCTGTGCTTGGAGGGGTTCCCAAGTCCAGAAATCCCTAAGAGC 138
DB 114 CTTCCTCCCTGGCTGGCTGTGCTTGGAGGGGTTCCCAAGTCCAGAAATCCCTAAGAGC 173
QY 139 ATGGGGAGCTGATCCATCCCTGATGATCAAAAGCTGATGAGAGAGATGCTGAGCTA 198
DB 174 ATGGGGAGCTGATCCATCCCTGATGATCAAAAGCTGATGAGAGAGATGCTGAGCTA 233
QY 199 CCCAAACCAACACCTAGCTCTCCCTGAAATCCCTCCAGGCTGAGAGAGTTCTGGGTGT 258
DB 234 CCCAAACCAACACCTAGCTCTCCCTGAAATCCCTCCAGGCTGAGAGAGTTCTGGGTGT 293
QY 259 CCTAGACCAAGAGCACTGGAGACTTCCAGAGGGGCCCAAAAGCCCTAAGCTGACAG 318
DB 294 CCTAGACCAAGAGCACTGGAGACTTCCAGAGGGGCCCAAAAGCCCTAAGCTGACAG 353
QY 319 CCAAGACATGGCTCTCAGACAGCTGTCTTCCCAAGCTTGTATGACAAACCAATTTCC 378
DB 354 CCAAGACATGGCTCTCAGACAGCTGTCTTCCCAAGCTTGTATGACAAACCAATTTCC 413
QY 379 TCGATGATGCTCTTCTGATGCTCTGATGAGAAACAATGGAGAGTCTCCACAGAGAA 438
DB 414 TCGATGATGCTCTTCTGATGCTCTGATGAGAAACAATGGAGAGTCTCCACAGAGAA 473
QY 439 AAATCTGTCCCAAGCCCAAGCTTGAATTTCTGTCTCAAGAGCCAGAGACTGTGACATG 498
DB 474 AAATCTGTCCCAAGCCCAAGCTTGAATTTCTGTCTCAAGAGCCAGAGACTGTGACATG 533
QY 499 GAAGCAGAGAGAGCAAGGACCAAGCCGCTGGAGCTTCCGGAGAGTGGCCG 558
DB 534 GAAGCAGAGAGAGCAAGGACCAAGCCGCTGGAGCTTCCGGAGAGTGGCCG 593
QY 559 GCCAGAGCTGCTGAGAGCTCGGGAGGCAATTAACATGCTCTGAGATGAGAGCTGG 618
DB 594 GCCAGAGCTGCTGAGAGCTCGGGAGGCAATTAACATGCTCTGAGATGAGAGCTGG 653
QY 619 TGGACGCTGCTGCTGAAGTCTCAGGACAGAGATTAACATCCCAAGCTCCAGTGGCC 678
DB 654 TGGACGCTGCTGCTGAAGTCTCAGGACAGAGATTAACATCCCAAGCTCCAGTGGCC 713
QY 679 AAAGTCTCCATGGGCTGCTGATGAGGGCTTGAAGGAGAGAGAGAGAGAGAGCTGG 738
DB 714 AAAGTCTCCATGGGCTGCTGATGAGGGCTTGAAGGAGAGAGAGAGAGAGAGCTGG 773
QY 739 TTGTTACCTGGAAACCTTGAAGGGGCTTCTCATCCGAGAGAGAGAGAGAGAGAG 793
DB 774 TTGTTACCTGGAAACCTTGAAGGGGCTTCTCATCCGAGAGAGAGAGAGAGAGAG 828
```

RESULT 10  
US-09-649-166-5499  
; Sequence 5499, Application US/09649166  
; GENERAL INFORMATION:  
; APPLICANT: Holtzman, Douglas A.  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
; TITLE OF INVENTION: THEREFOR  
; FILE REFERENCE: 1600.1163-001  
; CURRENT APPLICATION NUMBER: US/09/649,166  
; PRIOR FILING DATE: 2000-08-25  
; PRIOR APPLICATION NUMBER: 60/150,607  
; PRIOR FILING DATE: 1999-08-25  
; NUMBER OF SEQ ID NOS: 6802

; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5499  
; LENGTH: 873  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-649-166-5499

Query Match 30.0%; Score 770; DB 25; Length 873;

Best Local Similarity 100.0%; Pred. No. 1.1e-116; Matches 770; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 29 CAAGGACCCCAAGCCCTGCTCTGAGACAGAGCTCAAAAGGGCCCTGGGCCTCC 88
DB 15 CAAGGACCCCAAGCCCTGCTCTGAGACAGAGCTCAAAAGGGCCCTGGGCCTCC 74
QY 89 TGGCTGGCTGTGCTTGGAGAGGTTCCCAAGTCCAGAAATCCCTAAGAGATGGGCGC 148
DB 75 TGGCTGGCTGTGCTTGGAGAGGTTCCCAAGTCCAGAAATCCCTAAGAGATGGGCGC 134
QY 149 TGATTCATCCCTGCTGATCAAAATGCTGACTGACAGAGATGCTGAGCTAACCAACCA 208
DB 135 TGATTCATCCCTGCTGATCAAAATGCTGACTGACAGAGATGCTGAGCTAACCAACCA 194
QY 209 CACCTAGCTCTTCCCTGAGAGATCCCTCCAGGCTGAGAGAGTTCTGGGTCTCTAGAGCA 268
DB 195 CACCTAGCTCTTCCCTGAGAGATCCCTCCAGGCTGAGAGAGTTCTGGGTCTCTAGAGCA 254
QY 269 AGGACATGGCAGACTTCCAGAGAGGCCCCCAAGCCCTAAGCTGCTCAGCCAGAGCATG 328
DB 255 AGGACATGGCAGACTTCCAGAGAGGCCCCCAAGCCCTAAGCTGCTCAGCCAGAGCATG 314
QY 329 CGTCTCAGAGAGCTGCTTCCCAAGCTTGTATGACAAATTTCCCTGATGATGT 388
DB 315 CGTCTCAGAGAGCTGCTTCCCAAGCTTGTATGACAAATTTCCCTGATGATGT 374
QY 389 GCTTCTGAGTCTGCTGAGAGAAACAATGGAGATCTCCCAAGCAGAGAGAAATCTGTC 448
DB 375 GCTTCTGAGTCTGCTGAGAGAAACAATGGAGATCTCCCAAGCAGAGAGAAATCTGTC 434
QY 449 CAAGCCCAAGCTTGAATTTCTGTCTCAGAGCCAGAGACTGAGACATGAGAGAGAGA 508
DB 435 CAAGCCCAAGCTTGAATTTCTGTCTCAGAGCCAGAGACTGAGACATGAGAGAGAGA 494
QY 509 GAAGCAGAGGCAAGCCGCTGGCCCTTGGAGAGTTCCCGGAGAGTGGCCGCGGAGCTGT 568
DB 495 GAAGCAGAGGCAAGCCGCTGGCCCTTGGAGAGTTCCCGGAGAGTGGCCGCGGAGCTGT 554
QY 569 CGCTGAGACCTGGGAGAGCATTAACATGCTCTGAGAGATGAGAGACTGAGAGAGTGC 628
DB 555 CGCTGAGACCTGGGAGAGCATTAACATGCTCTGAGAGATGAGAGACTGAGAGAGTGC 614
QY 629 TGTCTGAAGTCTCAGCAGAGAGATTAACATCCCAAGCTTCAAGTGGCCAAAGTCTCC 688
DB 615 TGTCTGAAGTCTCAGCAGAGAGATTAACATCCCAAGCTTCAAGTGGCCAAAGTCTCC 674
QY 689 ATGGGTGCTGATGAGAGGCTTGAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 748
DB 675 ATGGGTGCTGATGAGAGGCTTGAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 734
QY 749 GGAACCTTGAAGGGGCTTCTCATCCGAGAGAGCCAGACAGAGAGAGC 798
DB 735 GGAACCTTGAAGGGGCTTCTCATCCGAGAGAGCCAGACAGAGAGAGC 784
```

RESULT 11  
US-09-652-814-10683  
; Sequence 10683, Application US/09652814  
; GENERAL INFORMATION:  
; APPLICANT: Holtzman, Douglas A.  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
; TITLE OF INVENTION: THEREFOR  
; FILE REFERENCE: 1600.1191-001  
; CURRENT APPLICATION NUMBER: US/09/652,814

;; CURRENT FILING DATE: 2000-08-31  
;; PRIOR APPLICATION NUMBER: 60/152,109  
;; PRIOR FILING DATE: 1999-08-31  
;; NUMBER OF SEQ ID NOS: 10797  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 10683  
;; LENGTH: 873  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-652-814-10683

Query Match 30.0%; Score 770; DB 25; Length 873;  
Best Local Similarity 100.0%; Pred. No. 1.1e-116;  
Matches 770; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 29 CAAGGACCCACGCTGTGTCTCTGACAGAGCTCAAGAGGCGCTTCCCTCC 88  
DB 15 CAAGGACCCACGCTGTGTCTCTGACAGAGCTCAAGAGGCGCTTCCCTCC 74  
QY 89 TGGCTGAGCTGTGTGGAGAGGTTCCAGTCCAGATCCCTTAAGAGCATGGGAGC 148  
DB 75 TGGCTGAGCTGTGTGGAGAGGTTCCAGTCCAGATCCCTTAAGAGCATGGGAGC 134  
QY 149 TGATCCATCCCTGTGTGACAACTGTGACAGAGCATGCTGAGTACCCAAACCA 208  
DB 135 TGATCCATCCCTGTGTGACAACTGTGACAGAGCATGCTGAGTACCCAAACCA 194  
QY 209 CACCTAGCTCTCCCTGAGATCTCTCCAGCTGAGAGAGTTCTGCTTGAAGCA 268  
DB 195 CACCTAGCTCTCCCTGAGATCTCTCCAGCTGAGAGAGTTCTGCTTGAAGCA 254  
QY 269 AGGACACTGGGAGACTTCCAGAGAGGCGCCCAAGGCTTAACCTGTCCAGAGCATG 328  
DB 255 AGGACACTGGGAGACTTCCAGAGAGGCGCCCAAGGCTTAACCTGTCCAGAGCATG 314  
QY 329 CGTCTAGAGAGAGCTGTCTTCCAGGCTTTGATGACAAACCAATTTCCCTGATGATGT 388  
DB 315 CGTCTAGAGAGAGCTGTCTTCCAGGCTTTGATGACAAACCAATTTCCCTGATGATGT 374  
QY 389 GCTTCTGAGTGTCTGTGAGAGAAACAATGGAGTCTGCCAGAGAGAAATCTCTGC 448  
DB 375 GCTTCTGAGTGTCTGTGAGAGAAACAATGGAGTCTGCCAGAGAGAAATCTCTGC 434  
QY 449 CAAGCCCAAGCTTGAATCTCTGTCCAAAGGCGCAAGGACCTGTGACATGAGAGAGAG 508  
DB 435 CAAGCCCAAGCTTGAATCTCTGTCCAAAGGCGCAAGGACCTGTGACATGAGAGAGAG 494  
QY 509 GAAGCAAGGCGCACGCGTGCGCTGGGAGTTTCCGCGAGAGTGGCGCGGCGAGCTGT 568  
DB 495 GAAGCAAGGCGCACGCGTGCGCTGGGAGTTTCCGCGAGAGTGGCGCGGCGAGCTGT 554  
QY 569 CGCTGAGACTCGGGAGGCGCATTTGACATGCTCTGAGAGATGAGAGCTGTGAGCGTGC 628  
DB 555 CGCTGAGACTCGGGAGGCGCATTTGACATGCTCTGAGAGATGAGAGCTGTGAGCGTGC 614  
QY 629 TGTCTGAAGCTCTCAGGAGAGATTAATCCAGAGTCCAGGAGCGCAAGAGTCTCC 688  
DB 615 TGTCTGAAGCTCTCAGGAGAGATTAATCCAGAGTCTCCAGGAGCGCAAGAGTCTCC 674  
QY 689 ATGGGTGCTGTATGAGGCGCTGAGAGGAGAAAGAGAGAACTGCTTTGTTACTG 748  
DB 675 ATGGGTGCTGTATGAGGCGCTGAGAGGAGAAAGAGAGAACTGCTTTGTTACTG 734  
QY 749 GGAACCTGTGAGAGGCGCTTCTCATTCGGGAGAGCGAGACAGAGAGGCG 798  
DB 735 GGAACCTGTGAGAGGCGCTTCTCATTCGGGAGAGCGAGACAGAGAGGCG 784

RESULT 12  
US-09-698-013-5767  
; Sequence 5767, Application US/09698013  
; GENERAL INFORMATION:  
; APPLICANT: Gearing, David P.

;; APPLICANT: Comrack, Christopher  
;; APPLICANT: Kingsbury, Gillian A.  
;; APPLICANT: Holtzman, Douglas A.  
;; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
;; FILE REFERENCE: THEREFOR  
;; FILE REFERENCE: 1600 2013-001  
;; CURRENT APPLICATION NUMBER: US/09/698,013  
;; CURRENT FILING DATE: 2000-10-27  
;; PRIOR APPLICATION NUMBER: 60/162,360  
;; PRIOR FILING DATE: 1999-10-29  
;; NUMBER OF SEQ ID NOS: 7935  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 5767  
;; LENGTH: 873  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-09-698-013-5767

Query Match 30.0%; Score 770; DB 27; Length 873;  
Best Local Similarity 100.0%; Pred. No. 1.1e-116;  
Matches 770; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 29 CAAGGACCCACGCTGTGTCTCTGACAGAGCTCAAGAGGCGCTTCCCTCC 88  
DB 15 CAAGGACCCACGCTGTGTCTCTGACAGAGCTCAAGAGGCGCTTCCCTCC 74  
QY 89 TGGCTGAGCTGTGTGGAGAGGTTCCAGTCCAGATCCCTTAAGAGCATGGGAGC 148  
DB 75 TGGCTGAGCTGTGTGGAGAGGTTCCAGTCCAGATCCCTTAAGAGCATGGGAGC 134  
QY 149 TGATCCATCCCTGTGTGACAACTGTGACAGAGCATGCTGAGTACCCAAACCA 208  
DB 135 TGATCCATCCCTGTGTGACAACTGTGACAGAGCATGCTGAGTACCCAAACCA 194  
QY 209 CACCTAGCTCTCCCTGAGATCTCTCCAGCTGAGAGAGTTCTGCTTGAAGCA 268  
DB 195 CACCTAGCTCTCCCTGAGATCTCTCCAGCTGAGAGAGTTCTGCTTGAAGCA 254  
QY 269 AGGACACTGGGAGACTTCCAGAGAGGCGCCCAAGGCTTAACCTGTCCAGAGCATG 328  
DB 255 AGGACACTGGGAGACTTCCAGAGAGGCGCCCAAGGCTTAACCTGTCCAGAGCATG 314  
QY 329 CGTCTAGAGAGAGCTGTCTTCCAGGCTTTGATGACAAACCAATTTCCCTGATGATGT 388  
DB 315 CGTCTAGAGAGAGCTGTCTTCCAGGCTTTGATGACAAACCAATTTCCCTGATGATGT 374  
QY 389 GCTTCTGAGTGTCTGTGAGAGAAACAATGGAGTCTGCCAGAGAGAAATCTCTGC 448  
DB 375 GCTTCTGAGTGTCTGTGAGAGAAACAATGGAGTCTGCCAGAGAGAAATCTCTGC 434  
QY 449 CAAGCCCAAGCTTGAATCTCTGTCCAAAGGCGCAAGGACCTGTGACATGAGAGAGAG 508  
DB 435 CAAGCCCAAGCTTGAATCTCTGTCCAAAGGCGCAAGGACCTGTGACATGAGAGAGAG 494  
QY 509 GAAGCAAGGCGCACGCGTGCGCTGGGAGTTTCCGCGAGAGTGGCGCGGCGAGCTGT 568  
DB 495 GAAGCAAGGCGCACGCGTGCGCTGGGAGTTTCCGCGAGAGTGGCGCGGCGAGCTGT 554  
QY 569 CGCTGAGACTCGGGAGGCGCATTTGACATGCTCTGAGAGATGAGAGCTGTGAGCGTGC 628  
DB 555 CGCTGAGACTCGGGAGGCGCATTTGACATGCTCTGAGAGATGAGAGCTGTGAGCGTGC 614  
QY 629 TGTCTGAAGCTCTCAGGAGAGATTAATCCAGAGTCCAGGAGCGCAAGAGTCTCC 688  
DB 615 TGTCTGAAGCTCTCAGGAGAGATTAATCCAGAGTCTCCAGGAGCGCAAGAGTCTCC 674  
QY 689 ATGGGTGCTGTATGAGGCGCTGAGAGGAGAAAGAGAGAACTGCTTTGTTACTG 748  
DB 675 ATGGGTGCTGTATGAGGCGCTGAGAGGAGAAAGAGAGAACTGCTTTGTTACTG 734  
QY 749 GGAACCTGTGAGAGGCGCTTCTCATTCGGGAGAGCGAGACAGAGAGGCG 798  
DB 735 GGAACCTGTGAGAGGCGCTTCTCATTCGGGAGAGCGAGACAGAGAGGCG 784

RESULT 13  
US-09-649-166-5334  
Sequence 5334, Application US/09649166

GENERAL INFORMATION:  
APPLICANT: Holzman, Douglas A.  
APPLICANT: Shvajan, Andrew W.  
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
FILE REFERENCE: 1600.1163-001  
CURRENT APPLICATION NUMBER: US/09/649,166  
CURRENT FILING DATE: 2000-08-25  
PRIOR APPLICATION NUMBER: 60/150,607  
PRIOR FILING DATE: 1999-08-25  
NUMBER OF SEQ ID NOS: 6802  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 5334  
LENGTH: 909  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)...(909)  
OTHER INFORMATION: n = A,T,C or G  
US-09-649-166-5334

Query Match 28.8%; Score 740; DB 25; Length 909;  
Best Local Similarity 100.0%; Pred. No. 8.3e-112;  
Matches 740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 28 CCAAGAGACCCAGCCTGTCTCTGAGACAGAGCTCAAGAGGCGCTGGGCGCTTCCCTCC 87  
DB 12 CCAAGAGACCCAGCCTGTCTCTGAGACAGAGCTCAAGAGGCGCTGGGCGCTTCCCTCC 71  
QY 88 CTGGCTGGCTGTGTGGAGAGGTTCCCAAGTCCCAAGTCCCAAGAGAGAGAGAGAG 147  
DB 72 CTGGCTGGCTGTGTGGAGAGGTTCCCAAGTCCCAAGTCCCAAGAGAGAGAGAGAG 131  
QY 148 CTGATCCATCCCTGTGTCAAACTGTGACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 207  
DB 132 CTGATCCATCCCTGTGTCAAACTGTGACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 191  
QY 208 AACCTAGCCTCTCCCTGAAGATCTCCAGAGTGAAGAGATCTGGGTGTCTTGAAGAC 267  
DB 192 AACCTAGCCTCTCCCTGAAGATCTCCAGAGTGAAGAGATCTGGGTGTCTTGAAGAC 251  
QY 268 AAGGACCTGGAGAGAGTCCAGAGAGGCGCCCAAGGCTCAAGAGAGAGAGAGAGAG 327  
DB 252 AAGGACCTGGAGAGAGTCCAGAGAGGCGCCCAAGGCTCAAGAGAGAGAGAGAGAG 311  
QY 328 GCGTCTGAGAGAGAGTCTTCCAGAGCTTTGATGACAAACCAATTTCCCTGATGATG 387  
DB 312 GCGTCTGAGAGAGAGTCTTCCAGAGCTTTGATGACAAACCAATTTCCCTGATGATG 371  
QY 388 TGCTTCTGAGAGAGTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 447  
DB 372 TGCTTCTGAGAGAGTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 431  
QY 448 CCAAGCCCAAGCTTGAAGTTCTCTGTCCAAGGCGAGAGAGAGAGAGAGAGAGAGAG 507  
DB 432 CCAAGCCCAAGCTTGAAGTTCTCTGTCCAAGGCGAGAGAGAGAGAGAGAGAGAGAG 491  
QY 508 AAGAGCAAGGCGACAGCGTGGCGCTGGGCGAGTTTCGCGGAGAGAGAGAGAGAGAGAG 567  
DB 492 AAGAGCAAGGCGACAGCGTGGCGAGTTTCGCGGAGAGAGAGAGAGAGAGAGAGAG 551  
QY 568 TCGCTGAGAGAGTGGGAG 627  
DB 552 TCGCTGAGAGAGTGGGAG 611  
QY 628 CTGTCTGAGAGTCTCAGGAGAGAGAGATTAACATCCCAAGAGTCAAGAGAGAGAGAG 687

DB 612 CTGTCTGAGAGTCTCAGGAGAGAGATTAACATCCCAAGAGTCAAGAGAGAGAG 671  
QY 688 CATGGAGTGGCTGTATGAGAGGCTTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 747  
DB 672 CATGGAGTGGCTGTATGAGAGGCTTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 731  
QY 748 GGGAGCCCTGGAGAGGAGGCTT 767  
DB 732 GGGAGCCCTGGAGAGGAGGCTT 751

RESULT 14  
US-09-652-124-8164  
Sequence 8164, Application US/09652124

GENERAL INFORMATION:  
APPLICANT: Holzman, Douglas A.  
APPLICANT: Weich, Nadine S.  
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
FILE REFERENCE: 1600.1179-001  
CURRENT APPLICATION NUMBER: US/09/652,124  
CURRENT FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/151,131  
PRIOR FILING DATE: 1999-08-30  
NUMBER OF SEQ ID NOS: 9868  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 8164  
LENGTH: 909  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)...(909)  
OTHER INFORMATION: n = A,T,C or G  
US-09-652-124-8164

Query Match 28.8%; Score 740; DB 25; Length 909;  
Best Local Similarity 100.0%; Pred. No. 8.3e-112;  
Matches 740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 28 CCAAGAGACCCAGCCTGTGTCTCTGAGACAGAGCTCAAGAGGCGCTGGGCGCTTCCCTCC 87  
DB 12 CCAAGAGACCCAGCCTGTGTCTCTGAGACAGAGCTCAAGAGGCGCTGGGCGCTTCCCTCC 71  
QY 88 CTGGCTGGCTGTGTGGAGAGGTTCCCAAGTCCCAAGTCCCAAGAGAGAGAGAGAGAG 147  
DB 72 CTGGCTGGCTGTGTGGAGAGGTTCCCAAGTCCCAAGTCCCAAGAGAGAGAGAGAGAG 131  
QY 148 CTGATCCATCCCTGTGTCAAACTGTGACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 207  
DB 132 CTGATCCATCCCTGTGTCAAACTGTGACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 191  
QY 208 AACCTAGCCTCTCCCTGAAGATCTCCAGAGTGAAGAGATCTGGGTGTCTTGAAGAC 267  
DB 192 AACCTAGCCTCTCCCTGAAGATCTCCAGAGTGAAGAGATCTGGGTGTCTTGAAGAC 251  
QY 268 AAGGACCTGGAGAGAGTCCAGAGAGGCGCCCAAGGCTCAAGAGAGAGAGAGAGAG 327  
DB 252 AAGGACCTGGAGAGAGTCCAGAGAGGCGCCCAAGGCTCAAGAGAGAGAGAGAGAG 311  
QY 328 GCGTCTGAGAGAGAGTCTTCCAGAGCTTTGATGACAAACCAATTTCCCTGATGATG 387  
DB 312 GCGTCTGAGAGAGAGTCTTCCAGAGCTTTGATGACAAACCAATTTCCCTGATGATG 371  
QY 388 TGCTTCTGAGAGTCTGAG 447  
DB 372 TGCTTCTGAGAGTCTGAG 431  
QY 448 CCAAGCCCAAGCTTGAAGTTCTCTGTCCAAGGCGAGAGAGAGAGAGAGAGAGAGAG 507  
DB 432 CCAAGCCCAAGCTTGAAGTTCTCTGTCCAAGGCGAGAGAGAGAGAGAGAGAGAGAG 491  
QY 508 AAGAGCAAGGCGACAGCGTGGCGCTGGGCGAGTTTCGCGGAGAGAGAGAGAGAGAG 567

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Db 492 AGAAGCAGGCGCAGCGCTGGCGCTTCCGCGCAGCTGGCCGCGCGAAGCTG 551
Qy 568 TCCTGAGACTCGGGGAGCCATTGACCATGCTCTGAGAGATGAGACCTGGAGCGTG 627
Db 552 TCCTGAGACTCGGGGAGCCATTGACCATGCTCTGAGAGATGAGACCTGGAGCGTG 611
Qy 628 CTCTCTGAGCTCGAGGAGAGATTAACATCCCGAGCGCTCCAGCTGGCCAAAGTCTCC 687
Db 612 CTCTCTGAGCTCGAGGAGAGATTAACATCCCGAGCGCTCCAGCTGGCCAAAGTCTCC 671
Qy 688 CATGGTGGCTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTATACCT 747
Db 672 CATGGTGGCTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTATACCT 731
Qy 748 GGGAACTCTGGAGGGGCGCTT 767
Db 732 GGGAACTCTGGAGGGGCGCTT 751

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RESULT 15
US-09-652-814-9203
; Sequence 9203, Application US/09652814
; GENERAL INFORMATION:
; APPLICANT: Holtzman, Douglas A.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600.1191-001
; CURRENT APPLICATION NUMBER: US/09/652,814
; CURRENT FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/152,109
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 10797
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9203
; LENGTH: 909
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1) - (909)
; OTHER INFORMATION: n = A,T,C or G
US-09-652-814-9203

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Query Match 28.8%; Score 740; DB 25; Length 909;
Best Local Similarity 100.0%; Pred. No. 8.3e-112;
Matches 740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 28 CCAAGAGCCCAAGCGCTGTGTCTGTGACAGAGCTCAAAAGGCGCTGGCGCTTCCCTCC 87
Db 12 CCAAGAGCCCAAGCGCTGTGTGTCTGTGACAGAGCTCAAAAGGCGCTGGCGCTTCCCTCC 71
Qy 88 CTGGCTGGCTGTGTGTGGAGGAGTCCCAAGCTCAAAATCCCTAAGAGCATGGGCGAG 147
Db 72 CTGGCTGGCTGTGTGTGGAGGAGTCCCAAGCTCAAAATCCCTAAGAGCATGGGCGAG 131
Qy 148 CTGATCATCCCTGTGTGTACAACTGCTGACAGAGATCTGAGTACCTCAAAAGCA 207
Db 132 CTGATCATCCCTGTGTGTACAACTGCTGACAGAGATCTGAGTACCTCAAAAGCA 191
Qy 208 ACACTTACCTCTCTGTAAGATCTCCAGAGCTGAGAGATCTGGGTGTCTAGAGCC 267
Db 192 ACACTTACCTCTCTGTAAGATCTCCAGAGCTGAGAGATCTGGGTGTCTAGAGCC 251
Qy 268 AAGGAGACTGGCAGACTTCCAGAGAGGCGCCCAAAAGCCTTAACTGTCCAGCAGAGACAT 327
Db 252 AAGGAGACTGGCAGACTTCCAGAGAGGCGCCCAAAAGCCTTAACTGTCCAGCAGAGACAT 311
Qy 328 GCGTCTCAGCAGAGCTGTCTTCCAAAGCCTTTGATGACAAACCAATTTCCCTGATGAG 387
Db 312 GCGTCTCAGCAGAGCTGTCTTCCAAAGCCTTTGATGACAAACCAATTTCCCTGATGAG 371
Qy 388 TGCTCTGAGTGTCTGTGTGAGAAATGAGAGTGTGGCCAGCAGAGAAATTTCTG 447

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Db 372 TGCTTCTAGTGTCTGTGTGAGAAATGAGAGTGTCCAGAGAAATTTCTG 431
Qy 448 CCAAGCCCAAGCTTGAATTCCTGTGTCCAAAGCCAGGAGCTGTGACATGAGAGCAGAG 507
Db 432 CCAAGCCCAAGCTTGAATTCCTGTGTCCAAAGCCAGGAGCTGTGACATGAGAGCAGAG 491
Qy 508 AAGAACAGAGCGCAGAGCGTGGCGCTGGGCGAGTTTCCGGGAGGAGGCGCGGCGAGCTG 567
Db 492 AAGAACAGAGCGCAGAGCGTGGCGCTGGGCGAGTTTCCGGGAGGAGGCGCGGCGAGCTG 551
Qy 568 TCCTGAGACTCGGGGAGCCATTGACCATGCTCTGAGAGATGAGACCTGGAGCGTG 627
Db 552 TCCTGAGACTCGGGGAGCCATTGACCATGCTCTGAGAGATGAGACCTGGAGCGTG 611
Qy 628 CTCTCTGAGCTCGAGGAGAGATTAACATCCCGAGCGCTCCAGCTGGCCAAAGTCTCC 687
Db 612 CTCTCTGAGCTCGAGGAGAGATTAACATCCCGAGCGCTCCAGCTGGCCAAAGTCTCC 671
Qy 688 CATGGTGGCTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTATACCT 747
Db 672 CATGGTGGCTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTATACCT 731
Qy 748 GGGAACTCTGGAGGGGCGCTT 767
Db 732 GGGAACTCTGGAGGGGCGCTT 751

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RESULT 16
US-09-867-550-953
; Sequence 953, Application US/09867550
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Foad.
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; TITLE OF INVENTION: Novel Polynucleotides from Atherogenic Cells and Polypeptides En
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-953

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Query Match 27.6%; Score 708; DB 33; Length 763;
Best Local Similarity 99.9%; Pred. No. 1.4e-106;
Matches 758; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 134 GAGAGATGGGCGAGCTGATCATCTCTGTGTACAACTGCTGACTGAGACAGATGCTG 193
Db 5 GAGAGATGGGCGAGCTGATCATCTCTGTGTACAACTGCTGACTGAGACAGATGCTG 64
Qy 194 AGTACCCAAACCAACACTAGCTTCTCTGAAATCTCCAGAGCTGAGAGATTTCTG 253
Db 65 AGTACCCAAACCAACACTAGCTTCTCTGAAATCTCCAGAGCTGAGAGATTTCTG 124
Qy 254 GGTGTCTTGAAGCAAGAGCACTGGCAGAGCTTCCAGAGGCGCCCAAAAGCCTTAACTG 313
Db 125 GATGTCTTGAAGCAAGAGCACTGGCAGAGCTTCCAGAGGCGCCCAAAAGCCTTAACTG 184
Qy 314 TCCAGCCAGAGAGCTGTCTTCCAGAGAGCTGTCTTCCAGAGCTTTGATGACAAACAT 373
Db 185 TCCAGCCAGAGAGCTGTCTTCCAGAGAGCTGTCTTCCAGAGCTTTGATGACAAACAT 244
Qy 374 TTCCCTGATGATGTGTTCTGAGTGTCTGTGTGAGAAATGAGAGTGTGCCAGCA 433

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Db	245	TTCCCTCGATGATGTTGCTTTCTGAGTGCCTCTGAGGAACATGGAAAGTCTCCACCA	3040
Oy	434	GAGGAAATCTCTGCCAACCCCAAGCTTGAATTCCTCTGCCAGGCCAGGACCTGTGA	4935
Db	305	GAGGAAATCTCTGCCAACCCCAAGCTTGAATTCCTCTGCCAGGCCAGGACCTGTGA	3645
Oy	494	CCATGGAAGCAGAGAGAGACGAGCCACAGCCGTGACCCTTGAGCATTTTCCCGGAGGTG	5535
Db	365	CCATGGAAGCAGAGAGAGACGAGCCACAGCCGTGACCCTTGAGCATTTTCCCGGAGGTG	4225
Oy	554	GCCCGCCGACGCTGTGGCTGAGACCTCGGGAGGCATTTGACATGCTCTGAGAGATGAG	6131
Db	425	GCCCGCCGACGCTGTGGCTGAGACCTCGGGAGGCATTTGACATGCTCTCTAGAGATGAG	4885
Oy	614	ACTGTGAGCAGGTGCTGTCTGAAGTCTTGAGCAGAGAGATTATACATCCCAAGCTCCAG	6735
Db	485	ACTGTGAGCAGGTGCTGTCTGAAGTCTTGAGCAGAGAGATTATACATCCCAAGCTCCAG	5445
Oy	674	TGCGCAAAAGTCTCCCAATGGGTGGCTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAAC	7335
Db	545	TGCGCAAAAGTCTCCCAATGGGTGGCTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAAC	6005
Oy	734	TGCTGTGTTACTCTGGAAACCTTGAGGGGCGTTCTCATCCGGAGAGCCAGACCGAGA	7935
Db	605	TGCTGTGTTACTCTGGAAACCTTGAGGGGCGTTCTCATCCGGAGAGCCAGACCGAGA	6645
Oy	794	GAGGCTCTTACTCTGTCAAGTCCGCTCAGCGCCCTGCATCTCGGAGCCGATATGAC	8535
Db	665	GAGGCTCTTACTCTGTCAAGTCCGCTCAGCGCCCTGCATCTCGGAGCCGATATGAC	7225
Oy	854	ACTACAGAGTCCATGCTTGAACAATGGCTGGCTGTACA	892
Db	725	ACTACAGAGTCCATGCTTGAACAATGGCTGGCTGTACA	763

```

1 RESULT 17
2 US-09-587-218-335
3 Sequence 335, Application US/09587218
4 GENERAL INFORMATION:
5 APPLICANT: Hodgson, David M.
6 APPLICANT: Lincoln, Stephen E.
7 APPLICANT: Russo, Frank D.
8 APPLICANT: Sprio, Peter A.
9 APPLICANT: Banville, Steve C.
10 APPLICANT: Bratcher, Shawn R.
11 APPLICANT: Dufour, Gerard E.
12 APPLICANT: Cohen, Howard J.
13 APPLICANT: Rosen, Bruce
14 APPLICANT: Chalup, Michael S.
15 APPLICANT: Hillman, Jennifer L.
16 APPLICANT: Jones, Anissa L.
17 APPLICANT: Yu, Jimmy Y.
18 APPLICANT: Greenawald, Lila B.
19 APPLICANT: Panzer, Scott R.
20 APPLICANT: Roseberry, Ann M.
21 APPLICANT: Wright, Rachel J.
22 APPLICANT: Daniels, Susan E.
23 TITLE OF INVENTION: INTACELLULAR SIGNALING MOLECULES
24 FILE REFERENCE: PT-0027 US
25 CURRENT APPLICATION NUMBER: US/09/587,218
26 CURRENT FILING DATE: 2000-05-01
27 PRIOR APPLICATION NUMBER: US/60/137,258
28 PRIOR FILING DATE: 1999-06-02
29 PRIOR APPLICATION NUMBER: US/60/137,412
30 PRIOR FILING DATE: 1999-06-03
31 PRIOR APPLICATION NUMBER: US/60/147,527
32 PRIOR FILING DATE: 1999-08-05
33 PRIOR APPLICATION NUMBER: US/60/147,542
34 PRIOR FILING DATE: 1999-08-05
35 PRIOR APPLICATION NUMBER: US/60/147,501
36 PRIOR FILING DATE: 1999-08-05
37 PRIOR APPLICATION NUMBER: US/60/147,500

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: PRIOR FILING DATE: 1999-08-05
: NUMBER OF SEQ ID NOS: 585
: SOFTWARE: PERL program
: SEQ ID NO: 335
: LENGTH: 875
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc feature
: OTHER INFORMATION: incyte ID No: 474901.1
: NAME/KEY: unsure
: LOCATION: 318..333
: OTHER INFORMATION: a, t, c, g, or other
US-09-587-218-335

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Query Match	27.2%	Score 697	DB 22	length 875
Best Local Similarity	99.6%	Pred. No.	8.2e-105	
Matches 847	Conservative	0	Mismatches 3	Indels 0
			Gaps	0

Oy	774	CCGGGAGAGCAGACACAGAGAGGGCTTTATCTCTCTAGTCCGCTCACGGCCCTGC	833
Ds	1	CCGGGAGAGCAGACACAGAGAGGGCTTTATCTCTCTAGTCCGCTCACGGCCCTGC	60
Oy	834	ATCTCGGACCCGGATGAGACTACAGGATCCATGCTCTTGACATGGCTGGCTGACAT	893
Ds	61	ATCTCGGACCCGGATGAGACTACAGGATCCATGCTCTTGACATGGCTGGCTGACAT	120
Oy	894	CTCACCGGCGCTCACTTCCCTCACTCCAGGCGCTGGTGGACCATATCTGAGCTGAC	953
Ds	121	CTCACCGGCGCTCACTTCCCTCACTCCAGGCGCTGGTGGACCATATCTGAGCTGAC	180
Oy	954	GGATGACATCTGTGTGCTACTACAGGAGCGCTGTGTCTGTGAGAGGGCGCGCTCC	1013
Ds	181	GGATGACATCTGTGTGCTACTACAGGAGCGCTGTGTCTGTGAGAGGGCGCGCTCC	240
Oy	1014	TGGCAGGATATACCCCTACCTGTGACTGTGACAGSACACACTCACTGGAAAGCT	1073
Ds	241	TGGCAGGATATACCCCTACCTGTGACTGTGACAGSACACACTCACTGGAAAGCT	300
Oy	1074	GGACAGCTCCCTCTGTTTTGTGACCTGTGCAAGGGAGAGTCTCTTCAGTGAAGG	1133
Ds	301	GGACAGCTCCCTCTGTTTTGTGACCTGTGCAAGGGAGAGTCTCTTCAGTGAAGG	360
Oy	1134	TCTCCGGAGTCCCTAGCTTCTACATCAGCTGATGACGAGGCTGTCTTTGGATGA	1193
Ds	361	TCTCCGGAGTCCCTAGCTTCTACATCAGCTGATGACGAGGCTGTCTTTGGATGA	420
Oy	1194	TGCTCAGGCCCCAAGGAGAGGCCAAAAGGGAAACAGAGCTGACACTTAAGCCCAT	1253
Ds	421	TGCTCAGGCCCCAAGGAGAGGCCAAAAGGGAAACAGAGCTGACACTTAAGCCCAT	480
Oy	1254	TGAGCTCTCTGGCACCACAGAGGCAGAGGCTGTGCACTCAGGAGGAGGGTGGACACA	1313
Ds	481	TGAGCTCTCTGGCACCACAGAGGCAGAGGCTGTGCACTCAGGAGGAGGGTGGACACA	540
Oy	1314	GAGGTGACTGAGGGTCCACCTGTACCTTGTCTTTCTCTTAACTCCTTGAAGTC	1373
Ds	541	GAGGTGACTGAGGGTCCACCTGTACCTTGTCTTTCTCTTAACTCCTTGAAGTC	600
Oy	1374	ACCTATCTCTTCAAGTGCATGATCCACCTGGGACCTCTAATGCGAGTGCAGAGAGG	1433
Ds	601	ACCTATCTCTTCAAGTGCATGATCCACCTGGGACCTCTAATGCGAGTGCAGAGAGG	660
Oy	1434	TGGGACAGGGGCCAGGGTTCCAAAAGAGAAATATAGCTCTCTGGGGGTCTGACCTTAGTTA	1493
Ds	661	TGGGACAGGGGCCAGGGTTCCAAAAGAGAAATATAGCTCTCTGGGGGTCTGACCTTAGTTA	720
Oy	1494	GTTCTTAGATTGGGGTTTTCAGTACCATCTGGAGAGCGCTGCTGTGAGGCCCATTTTA	1553
Ds	721	GTTCTTAGATTGGGGTTTTCAGTACCATCTGGAGAGCGCTGCTGTGAGGCCCATTTTA	780
Oy	1554	CATCCCAACCATTAACAGGCGCCACACCCACAAAGTAGAAACAACTCTTAGTGAACGAG	1613



```

FEATURE:
NAME/KEY: source
LOCATION: (34)...(826)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes BLOOD
OTHER INFORMATION: GIBCO BRL
FEATURE:
NAME/KEY: source
LOCATION: (38)...(853)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes BLOOD
OTHER INFORMATION: GIBCO BRL
FEATURE:
NAME/KEY: source
LOCATION: (305)...(1120)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes BLOOD
OTHER INFORMATION: GIBCO BRL
FEATURE:
NAME/KEY: source
LOCATION: (1250)...(2189)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes BLOOD
OTHER INFORMATION: GIBCO BRL
FEATURE:
NAME/KEY: source
LOCATION: (1252)...(2187)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes BLOOD
OTHER INFORMATION: GIBCO BRL
FEATURE:
NAME/KEY: source
LOCATION: (298)...(778)
OTHER INFORMATION: Variant: 411077, Cluster: 365257, Library: adt. lung LUNG In
OTHER INFORMATION: Variant: 411077, Cluster: 365257, Library: adt. lung LUNG In
FEATURE:
NAME/KEY: source
LOCATION: (878)...(1332)
OTHER INFORMATION: Variant: 314154, Cluster: 276996, Library: leukocytes BLOOD
OTHER INFORMATION: GIBCO BRL
US-09-457-877-98

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Query Match      25.4%; Score 651; DB 18; Length 2189;
Best Local Similarity 100.0%; Pred. No. 1.8e-97;
Matches 651; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 996 GAGGGCTGGCCCTCCCTGGAGAGATATACCCCTACCTGTGACTGTGAGAGACACC 1055
DB 585 GAGGGCTGGCCCTCCCTGGAGAGATATACCCCTACCTGTGACTGTGAGAGACACC 644
QY 1056 ACTCACTGGAAGAGCTGAGACAGCTCCCTCTGTTTCTGAAGTGCACAGGGAGGA 1115
DB 645 ACTCACTGGAAGAGCTGAGACAGCTCCCTCTGTTTCTGAAGTGCACAGGGAGGA 704
QY 1116 GTCTTCTTCAGTGAAGGCTCTCCGGAAGTCCCTCACTTCTACATCAAGCTGAATGCA 1175
DB 705 GTCTTCTTCAGTGAAGGCTCTCCGGAAGTCCCTCACTTCTACATCAAGCTGAATGCA 764
QY 1176 GGCTGTCTCTTGGATGATGCTTACGAGCCAAAGAGAGGCAAAAGGAAACCAAGGCTG 1235
DB 765 GGCTGTCTCTTGGATGATGCTTACGAGCCAAAGAGAGGCAAAAGGAAACCAAGGCTG 824
QY 1236 CACACCTTGAACCCCAATTCACCTCTCCGGGACACCCCAAGGCAAGGCTGTGACTCAGG 1295
DB 825 CACACCTTGAACCCCAATTCACCTCTCCGGGACACCCCAAGGCAAGGCTGTGACTCAGG 884
QY 1296 GAGGAGGCTGGGACACAGAGGTGATCTAGGGTCCCACTGTACCTTCTTCTCTC 1355
DB 885 GAGGAGGCTGGGACACAGAGGTGATCTAGGGTCCCACTGTACCTTCTTCTCTC 944
QY 1356 TCTTAGCCCTTAGAATGACCTTACTTCTTCAAGTGCATATCCCACTGCACCTCTTA 1415
DB 945 TCTTAGCCCTTAGAATGACCTTACTTCTTCAAGTGCATATCCCACTGCACCTCTTA 1004
QY 1416 GTGCGAGTGACAGAAAGTGGGACCAAGGGCCAGGTTTCCAAAAGAGATTAAGCTCTG 1475
DB 1005 GTGCGAGTGACAGAAAGTGGGACCAAGGGCCAGGTTTCCAAAAGAGATTAAGCTCTG 1064

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QY 1476 GGGGCTGACCTAGTATGTTCTTGAAGTTGGGGTTTCCAGTACATCTGATGCCCTGC 1535
DB 1065 GGGGCTGACCTAGTATGTTCTTGAAGTTGGGGTTTCCAGTACATCTGATGCCCTGC 1124
QY 1536 CTGTTGAGCCCATTTCTCATCCCGACCATTTACACAGGCCCCACCAAGGTAGAAACA 1595
DB 1125 CTGTTGAGCCCATTTCTCATCCCGACCATTTACACAGGCCCCACCAAGGTAGAAACA 1184
QY 1596 ACCCTTAGCTCAACAGAAAGTCATTTTCAGAAATTTACAGTCTCGTT 1646
DB 1185 ACCCTTAGCTCAACAGAAAGTCATTTTCAGAAATTTACAGTCTCGTT 1235

```

## RESULT 20

US-09-952-981-98

Sequence 98, Application US/09952981

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc.

TITLE OF INVENTION: Novel Contigs Obtained

FILE REFERENCE: 20411-779

CURRENT APPLICATION NUMBER: US/09/952,981

PRIOR FILING DATE: 2001-09-14

PRIOR APPLICATION NUMBER: US/09/457,877

SOFTWARE: Hy-Patent.pl Version 3.1

NUMBER OF SEQ ID NOS: 128

SEQ ID NO 98

LENGTH: 2189

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc\_feature

LOCATION: (1)...(2189)

OTHER INFORMATION: n = A,T,C or G

NAME/KEY: misc\_feature

LOCATION: (1682)...(1766)

OTHER INFORMATION: similar to V29031|V29031 in the geneseq database, Run

OTHER INFORMATION: with

OTHER INFORMATION: BLASTN 2.0a19MP-WashU, default parameters

NAME/KEY: misc\_feature

LOCATION: (163)...(541)

OTHER INFORMATION: similar to gb|AA959151|AA959151 in the

OTHER INFORMATION: cdest.weekly.FASTA.

OTHER INFORMATION: 021899 database, Run with BLASTN 2.0a19MP-WashU, default par

NAME/KEY: source

LOCATION: (53)...(549)

OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes

OTHER INFORMATION: BLOOD

OTHER INFORMATION: GIBCO BRL

NAME/KEY: source

LOCATION: (47)...(518)

OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes

OTHER INFORMATION: BLOOD

OTHER INFORMATION: GIBCO BRL

NAME/KEY: source

LOCATION: (33)...(829)

OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes

OTHER INFORMATION: BLOOD

OTHER INFORMATION: GIBCO BRL

NAME/KEY: source

LOCATION: (41)...(859)

OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes

OTHER INFORMATION: BLOOD

OTHER INFORMATION: GIBCO BRL

NAME/KEY: source

LOCATION: (302)...(1117)



```

OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes
OTHER INFORMATION: BLOOD
OTHER INFORMATION: GIBCO BRL
NAME/KEY: source
LOCATION: (611)...(1482)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes
OTHER INFORMATION: BLOOD
OTHER INFORMATION: GIBCO BRL
NAME/KEY: source
LOCATION: (34)...(826)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes
OTHER INFORMATION: BLOOD
OTHER INFORMATION: GIBCO BRL
NAME/KEY: source
LOCATION: (38)...(853)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes
OTHER INFORMATION: BLOOD
OTHER INFORMATION: GIBCO BRL
NAME/KEY: source
LOCATION: (305)...(1120)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes
OTHER INFORMATION: BLOOD
OTHER INFORMATION: GIBCO BRL
NAME/KEY: source
LOCATION: (1250)...(2189)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes
OTHER INFORMATION: BLOOD
OTHER INFORMATION: GIBCO BRL
NAME/KEY: source
LOCATION: (1252)...(2187)
OTHER INFORMATION: Variant: 357166, Cluster: 316964, Library: leukocytes
OTHER INFORMATION: BLOOD
OTHER INFORMATION: GIBCO BRL
NAME/KEY: source
LOCATION: (238)...(778)
OTHER INFORMATION: Variant: 411077, Cluster: 365257, Library: adt. lung
OTHER INFORMATION: LUNG In
OTHER INFORMATION: vtirogen
NAME/KEY: source
LOCATION: (878)...(1332)
OTHER INFORMATION: Variant: 314154, Cluster: 276996, Library: leukocytes
OTHER INFORMATION: BLOOD
OTHER INFORMATION: GIBCO BRL
US-09-952-981-98

```

Query Match 25.4%; Score 651; DB 36; Length 2189;  
 Best Local Similarity 100.0%; Pred. No. 1.8e-97;  
 Matches 651; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

996 GAGGGCTGGCCCGCTCCCTGGCAAGATATACCCCTGCTGAGCTGCGAGAGACACC 1055
585 GAGGGCTGGCCCGCTCCCTGGCAAGATATACCCCTGCTGAGCTGCGAGAGACACC 644
1056 ACTCACTGGAAGAGCTGAGACAGCTCCCTCTGTTTCTGAACTGCGACAGGGAGGA 1115
645 ACTCACTGGAAGAGCTGAGACAGCTCCCTCTGTTTCTGAACTGCGACAGGGAGGA 704
1116 GTCCTCTTCAGTGAAGGTCTCCGGAGTCCCTGAGCTTATACAGCTGGAATGACGA 1175
705 GTCTCTTTCAGTGAAGGTCTCCGGAGTCCCTGAGCTTATACAGCTGGAATGACGA 764
1176 GGTGTCTCTTGGATGATGCTTAAAGCCCAAGAGAGGCCCAAGAGGAACCAAGCTG 1235
765 GGTGTCTCTTGGATGATGCTTAAAGCCCAAGAGAGGCCCAAGAGGAACCAAGCTG 824
1236 CACACCTAGAACCCCAATTACGCTCTGGGACCCCAAGAGAGGCCCAAGAGGAACCAAGCTG 1295
825 CACACCTAGAACCCCAATTACGCTCTGGGACCCCAAGAGAGGCCCAAGAGGAACCAAGCTG 884
1296 GAGGAGGGTGGGACACAGAGGTGATCTAAGGTTCCACCTGTAACCTTTCTCTTC 1355
885 GAGGAGGGTGGGACACAGAGGTGATCTAAGGTTCCACCTGTAACCTTTCTCTTC 944

```

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1356 TCTTAGCCCTTAGAAGTCACTACTCTTCCAGTGCATGATCCCACTGGACCTCTA 1415
945 TCTTAGCCCTTAGAAGTCACTACTCTTCCAGTGCATGATCCCACTGGACCTCTA 1004
1416 GTGCAGTGCAGAGAGAGTGGGACCAAGGCTTCCAAAAGAGATTAAGCTCTCTG 1475
1005 GTGCAGTGCAGAGAGAGTGGGACCAAGGCTTCCAAAAGAGATTAAGCTCTCTG 1064
1476 GGGGCTGACCTAGTATGTTTCTGAGTTTGGGTTCCAGTACCATCTGATGCCCTGC 1535
1065 GGGGCTGACCTAGTATGTTTCTGAGTTTGGGTTCCAGTACCATCTGATGCCCTGC 1124
1536 CTGTTAGCCCTTACATTTTACATCCCACTTAACAGAGCCCAACCAAGTAAACA 1595
1125 CTGTTAGCCCTTACATTTTACATCCCACTTAACAGAGCCCAACCAAGTAAACA 1184
1596 ACCCTTAGATCAACAGAGAGTCAATTTTCAGAAATCTTCAAGTCTCGTT 1646
1185 ACCCTTAGATCAACAGAGAGTCAATTTTCAGAAATCTTCAAGTCTCGTT 1235

```

```

RESULT 21
US-09-617-526-1434
Sequence 1434, Application US/09617526
GENERAL INFORMATION:
APPLICANT: Gearing, David P.
APPLICANT: Kingsbury, Gillian A.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
FILE REFERENCE: 1600,1144-001
CURRENT FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US/09/617,526
PRIOR FILING DATE: 1999-07-15
NUMBER OF SEQ ID NOS: 1623
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 1434
LENGTH: 1087
TYPE: DNA
ORGANISM: Homo sapiens
US-09-617-526-1434

```

Query Match 23.9%; Score 614; DB 23; Length 1087;  
 Best Local Similarity 99.6%; Pred. No. 2.4e-91;  
 Matches 834; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

```

996 GAGGGCTGGCCCGCTCCCTGGCAAGATATACCCCTGCTGAGCTGCGAGAGACACC 1055
139 GAGGGCTGGCCCGCTCCCTGGCAAGATATACCCCTGCTGAGCTGCGAGAGACACC 198
1056 ACTCACTGGAAGAGCTGAGACAGCTCCCTCTGTTTCTGAACTGCGACAGGGAGGA 1115
199 ACTCACTGGAAGAGCTGAGACAGCTCCCTCTGTTTCTGAACTGCGACAGGGAGGA 258
1116 GTCCTCTTCAGTGAAGGTCTCCGGAGTCCCTGAGCTTATACAGCTGGAATGACGA 1175
259 GTCTCTTTCAGTGAAGGTCTCCGGAGTCCCTGAGCTTATACAGCTGGAATGACGA 318
1176 GGTGTCTCTTGGATGATGCTTAAAGCCCAAGAGAGGCCCAAGAGGAACCAAGCTG 1235
319 GGTGTCTCTTGGATGATGCTTAAAGCCCAAGAGAGGCCCAAGAGGAACCAAGCTG 378
1236 CACACCTAGAACCCCAATTACGCTCTGGGACCCCAAGAGAGGCCCAAGAGGAACCAAGCTG 1295
379 CACACCTAGAACCCCAATTACGCTCTGGGACCCCAAGAGAGGCCCAAGAGGAACCAAGCTG 438
1296 GAGGAGGGTGGGACACAGAGGTGATCTAAGGTTCCACCTGTAACCTTTCTCTTC 1355
439 GAGGAGGGTGGGACACAGAGGTGATCTAAGGTTCCACCTGTAACCTTTCTCTTC 498
1356 TCTTAGCCCTTAGAAGTCACTACTCTTCCAGTGCATGATCCCACTGGACCTCTA 1415
499 TCTTAGCCCTTAGAAGTCACTACTCTTCCAGTGCATGATCCCACTGGACCTCTA 558

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QY 1416 GTGCGAGTGCAGAGAGAGTGGGACCCAGGGCTTCCAAAAAGATTAAGCTCTCTG 1475  
DB 559 GTGCGAGTGCAGAGAGAGTGGGACCCAGGGCTTCCAAAAAGATTAAGCTCTCTG 618  
QY 1476 GGGGGGCTGACCTAGTACTTCTAGTTTGGGGTTTCCAGTACCATCTGAGAGCCCTG 1535  
DB 619 GGGGGGCTGACCTAGTACTTCTAGTTTGGGGTTTCCAGTACCATCTGAGAGCCCTG 678  
QY 1536 CTGTTGAG-CCCCATTCTACATCCCAACATTAACAGGCCCCCAACAGGTAGAAAC 1594  
DB 679 CTGTTGAGCCCCCATCTACATCCCAACATTAACAGGCCCCCAACAGGTAGAAAC 738  
QY 1595 AACCCCTAGAGTCAAGAGAAAGTCAATTTTCAGAAAAATCAAGTCTGTTAGACAC 1654  
DB 739 AACCCCTAGAGTCAAGAGAAAGTCAATTTTCAGAAAAATCAAGTCTGTTAGACAC 798  
QY 1655 CACCATACCTCAGAGAGTGAAGCTGTGGCTTGAAGGAGAAAGAAAGCTGATGTTC 1714  
DB 799 CACCATACCTCAGAGAGTGAAGCTGTGGCTTGAAGGAGAAAGAAAGCTGATGTTC 858  
QY 1715 TTACCGTAGAGAGAGTCTTGAATGTTCAGAGCTTATGATGCTCCAGAGCAAGAGA 1774  
DB 859 TTACCGTAGAGAGAGTCTTGAATGTTCAGAGCTTATGATGCTCCAGAGCAAGAGA 918  
QY 1775 AGACTTGGACAGTCTAGGTCTCTCAATGTCTCCCATTTAGAGCAACAGCCCAAGCT 1831  
DB 919 AGACTTGGACAGTCTAGGTCTCTCAATGTCTCCCATTTAGAGCAACAGCCCAAGCT 975

RESULT 22  
US-09-277-227-16231/C  
; Sequence 16231, Application US/09277227  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc.  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED  
; FILE REFERENCE: 20411-766  
; CURRENT APPLICATION NUMBER: US/09/277,227  
; PRIORITY FILING DATE: 1999-03-25  
; NUMBER OF SEQ ID NOS: 23680  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 16231  
; LENGTH: 930  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(930)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-277-227-16231

Query Match 22.6%; Score 581; DB 16; Length 930;  
Best Local Similarity 100.0%; Pred. No. 5.8e-86;  
Matches 581; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1923 GGATTCAAACAATTCCTGCTCAGCTCCAGAAATAGTGGGATTTACAGGCTTACCA 1982  
DB 634 GGATTCAAACAATTCCTGCTCAGCTCCAGAAATAGTGGGATTTACAGGCTTACCA 575  
QY 1983 CCATGCTGCTAATTTTGTATTTTGTAGTGAAGTGGGTTTCCACATTGGCCAG 2042  
DB 574 CCATGCTGCTAATTTTGTATTTTGTAGTGAAGTGGGTTTCCACATTGGCCAG 515  
QY 2043 GCTGGTGTCAATCTCTGACCTCAGAGTATCAACCACTTGGCTCCCAAGTGTGGG 2102  
DB 514 GCTGGTGTCAATCTCTGACCTCAGAGTATCAACCACTTGGCTCCCAAGTGTGGG 455  
QY 2103 ATTACAGGTGTGAGCCAGGCAACCAAGCTTACATCTCTATTTCAATTTTGGC 2162  
DB 454 ATTACAGGTGTGAGCCAGGCAACCAAGCTTACATCTCTATTTCAATTTTGGC 395  
QY 2163 TTACCATTCCTTACACACTGAGCTTGGCATCTTTGTGGCGAATAAAAAATACACTCT 2222

DB 394 TTACCATTCCTTACACACTGAGCTTGGCATCTTTGTGGCGAATAAAAAATACACTCT 335  
QY 2223 TAAGTACGACACTGACAGTGAAGCCAGGACCTCAGTGTGGGACAGGGCATTCAGAA 2282  
DB 334 TAAGTACGACACTGACAGTGAAGCCAGGACCTCAGTGTGGGACAGGGCATTCAGAA 275  
QY 2283 TGCTAAGCTCTCTTCCAAATGTCAGAGACCAAGCTTACCACTTAATTCAGGCC 2342  
DB 274 TGCTAAGCTCTCTTCCAAATGTCAGAGACCAAGCTTACCACTTAATTCAGGCC 215  
QY 2343 TTGATTTCCCTGCTCTCCATAACAGAAAGGTGTGCTGATCCGCTAAGGATCAG 2402  
DB 214 TTGATTTCCCTGCTCTCCATAACAGAAAGGTGTGCTGATCCGCTAAGGATCAG 155  
QY 2403 GGAAGAGAGAAAGAGGATGGGTGGAGAGCACTCCCTCAGTGTCTTACTGTTCCC 2462  
DB 154 GGAAGAGAGAAAGAGGATGGGTGGAGAGCACTCCCTCAGTGTCTTACTGTTCCC 95  
QY 2463 AAGCTACAGGTGGGTGGAAAGGCTTATCAGATCATC 2503  
DB 94 AAGCTACAGGTGGGTGGAAAGGCTTATCAGATCATC 54

RESULT 23  
US-09-909-627-16231/C  
; Sequence 16231, Application US/09909627  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc.  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED  
; FILE REFERENCE: 20411-766  
; CURRENT APPLICATION NUMBER: US/09/909,627  
; PRIORITY FILING DATE: 2001-07-19  
; PRIOR APPLICATION NUMBER: 09/277,227  
; NUMBER OF SEQ ID NOS: 23680  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 16231  
; LENGTH: 930  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(930)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-909-627-16231

Query Match 22.6%; Score 581; DB 34; Length 930;  
Best Local Similarity 100.0%; Pred. No. 5.8e-86;  
Matches 581; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1923 GGATTCAAACAATTCCTGCTCAGCTCCAGAAATAGTGGGATTTACAGGCTTACCA 1982  
DB 634 GGATTCAAACAATTCCTGCTCAGCTCCAGAAATAGTGGGATTTACAGGCTTACCA 575  
QY 1983 CCATGCTGCTAATTTTGTATTTTGTAGTGAAGTGGGTTTCCACATTGGCCAG 2042  
DB 574 CCATGCTGCTAATTTTGTATTTTGTAGTGAAGTGGGTTTCCACATTGGCCAG 515  
QY 2043 GCTGGTGTCAATCTCTGACCTCAGAGTATCAACCACTTGGCTCCCAAGTGTGGG 2102  
DB 514 GCTGGTGTCAATCTCTGACCTCAGAGTATCAACCACTTGGCTCCCAAGTGTGGG 455  
QY 2103 ATTACAGGTGTGAGCCAGGCAACCAAGCTTACATCTCTATTTCAATTTTGGC 2162  
DB 454 ATTACAGGTGTGAGCCAGGCAACCAAGCTTACATCTCTATTTCAATTTTGGC 395  
QY 2163 TTACCATTCCTTACACACTGAGCTTGGCATCTTTGTGGCGAATAAAAAATACACTCT 2222  
DB 394 TTACCATTCCTTACACACTGAGCTTGGCATCTTTGTGGCGAATAAAAAATACACTCT 335  
QY 2223 TAAGTACGACACTGACAGTGAAGCCAGGACCTCAGTGTGGGACAGGGCATTCAGAA 2282



QY 2415 AGAGGATGGGTTGGAGGACCCCTTCAGTCTCTTACTGTTCCCAAGCTACAGGTG 2474  
 DB 143 AAGAGGATGGGTTGGAGGACCCCTTCAGTCTCTTACTGTTCCCAAGCTACAGGTG 84  
 QY 2475 GGGTGGGAAAGGCTTTATCAGGTATCATCAACAGGTTCTC 2514  
 DB 83 GGGTGGGAAAGGCTTTATCAGGTATCATCAACAGGTTCTC 44

## RESULT 26

US-09-347-127-67  
 ; Sequence 67, Application US/09347127  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hyseq, Inc.  
 ; TITLE OF INVENTION: Novel Contigs Obtained  
 ; FILE REFERENCE: 20411-778  
 ; CURRENT APPLICATION NUMBER: US/09/347,127  
 ; PRIORITY FILING DATE: 1999-07-02  
 ; NUMBER OF SEQ ID NOS: 105  
 ; SOFTWARE: Hy-patent.pl Version 3.1  
 ; SEQ ID NO 67  
 ; LENGTH: 1523

;; TYPE: DNA  
 ;; ORGANISM: Homo sapiens  
 ;; FEATURE:  
 ;; NAME/KEY: misc\_feature  
 ;; LOCATION: (1)...(1523)  
 ;; OTHER INFORMATION: n = A,T,C or G  
 ;; FEATURE:  
 ;; NAME/KEY: misc\_feature  
 ;; LOCATION: (333)...(583)  
 ;; OTHER INFORMATION: similar to T63421 in the geneseq database, Run with  
 ;; OTHER INFORMATION: BLASTN 2.0a13mp-washu, default parameters  
 ;; FEATURE:  
 ;; NAME/KEY: misc\_feature  
 ;; LOCATION: (179)...(642)  
 ;; OTHER INFORMATION: similar to gb|U29056|NMU29056 in the nt.19990223 database,  
 ;; OTHER INFORMATION: Run with BLASTN 2.0a13mp-washu, default parameters  
 ;; FEATURE:  
 ;; NAME/KEY: misc\_feature  
 ;; LOCATION: (163)...(541)  
 ;; OTHER INFORMATION: similar to gb|AA959151|AA959151 in the dbEST, weekly, FASTA,  
 ;; OTHER INFORMATION: 021899 database, Run with BLASTN 2.0a13mp-washu, default par  
 ;; OTHER INFORMATION: ameters  
 ; US-09-347-127-67

Query Match 22.2%; Score 570; DB 17; Length 1523;  
 Best Local Similarity 100.0%; Pred. No. 3e-84;  
 Matches 570; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 362 TGACAAACCAATTTCTCTGATGATGTGCTTCTGAGTCTCTGCTGAGGAAACAATGGAA 421  
 DB 1 TGACAAACCAATTTCTCTGATGATGTGCTTCTGAGTCTCTGCTGAGGAAACAATGGAA 60  
 QY 422 GTCTGCCAGAGAGAAATCTCTGCAAGCCCAAGCTTGAATCTCTCTGCAAGGCC 481  
 DB 61 GTCTGCCAGAGAGAAATCTCTGCAAGCCCAAGCTTGAATCTCTCTGCAAGGCC 120  
 QY 482 AGGACCTGTGACCAATGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 541  
 DB 121 AGGACCTGTGACCAATGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 180  
 QY 542 TCCCGGAGGTGGCCGCGGAGCTGTGCTGAGAGCTCGGGAGGCCATTGACCAATCGCTC 601  
 DB 181 TCCCGGAGGTGGCCGCGGAGCTGTGCTGAGAGCTCGGGAGGCCATTGACCAATCGCTC 240  
 QY 602 CTGAGGATGAGACTGTGAGAGGCTCTCTGAGGCTTCAAGCAGAGAGATTAACATCC 661  
 DB 241 CTGAGGATGAGACTGTGAGAGGCTCTCTGAGGCTTCAAGCAGAGAGATTAACATCC 300  
 QY 662 CCAGGCTCAGCTGAGCAAAAGTCTCCATGAGGTGCTGTATGAGGAGCTGAGAGAGAG 721

DB 301 CCACGCTCACGCTGGCCAAAGTCTCCCATGGGTGCTGTATGAGGGCCCTGAGAGAGAGA 360  
 QY 722 AAGCAGAGAACTGCTGTTGTTACTGTTGGAACCTCGAGAGGGCCCTTCATCCGGAGGA 781  
 DB 361 AAGCAGAGAACTGCTGTTGTTACTGTTGGAACCTCGAGAGGGCCCTTCATCCGGAGGA 420  
 QY 782 GCCAGACACAGAGAGGCTTACTCTCTGTCAGTCCGCTCAGCCGCTGATCCTGG 841  
 DB 421 GCCAGACACAGAGAGGCTTACTCTCTGTCAGTCCGCTCAGCCGCTGATCCTGG 480  
 QY 842 ACCGATCAGACACTACAGATTCACCTGCTTGACAAAGTGTGCTGTATCTACAGCC 901  
 DB 481 ACCGATCAGACACTACAGATTCACCTGCTTGACAAAGTGTGCTGTATCTACAGCC 540  
 QY 902 GCCTCACCCTCCCTCCTCAGCTCAGGCTCTGG 931  
 DB 541 GCCTCACCCTCCCTCCTCAGCTCAGGCTCTGG 570

## RESULT 27

US-09-905-059-67  
 ; Sequence 67, Application US/09905059  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hyseq, Inc.  
 ; TITLE OF INVENTION: Novel Contigs Obtained  
 ; FILE REFERENCE: 20411-778  
 ; CURRENT APPLICATION NUMBER: US/09/905,059  
 ; PRIORITY FILING DATE: 2001-07-12  
 ; PRIOR APPLICATION NUMBER: 09/347,127  
 ; NUMBER OF SEQ ID NOS: 105  
 ; SOFTWARE: Hy-patent.pl Version 3.1  
 ; SEQ ID NO 67  
 ; LENGTH: 1523

;; TYPE: DNA  
 ;; ORGANISM: Homo sapiens  
 ;; FEATURE:  
 ;; NAME/KEY: misc\_feature  
 ;; LOCATION: (1)...(1523)  
 ;; OTHER INFORMATION: n = A,T,C or G  
 ;; NAME/KEY: misc\_feature  
 ;; LOCATION: (333)...(583)  
 ;; OTHER INFORMATION: similar to T63421 in the geneseq database, Run with  
 ;; OTHER INFORMATION: BLASTN 2.0a13mp-washu, default parameters  
 ;; NAME/KEY: misc\_feature  
 ;; LOCATION: (179)...(642)  
 ;; OTHER INFORMATION: similar to gb|U29056|NMU29056 in the nt.19990223 database,  
 ;; OTHER INFORMATION: Run with BLASTN 2.0a13mp-washu, default parameters  
 ;; NAME/KEY: misc\_feature  
 ;; LOCATION: (163)...(541)  
 ;; OTHER INFORMATION: similar to gb|AA959151|AA959151 in the dbEST, weekly, FASTA,  
 ;; OTHER INFORMATION: 021899 database, Run with BLASTN 2.0a13mp-washu, default par  
 ;; OTHER INFORMATION: ameters  
 ; US-09-905-059-67

Query Match 22.2%; Score 570; DB 34; Length 1523;  
 Best Local Similarity 100.0%; Pred. No. 3e-84;  
 Matches 570; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 362 TGACAAACCAATTTCTCTGATGATGTGCTTCTGAGTCTCTGCTGAGGAAACAATGGAA 421  
 DB 1 TGACAAACCAATTTCTCTGATGATGTGCTTCTGAGTCTCTGCTGAGGAAACAATGGAA 60  
 QY 422 GTCTGCCAGAGAGAAATCTCTGCAAGCCCAAGCTTGAATCTCTCTGCAAGGCC 481  
 DB 61 GTCTGCCAGAGAGAAATCTCTGCAAGCCCAAGCTTGAATCTCTCTGCAAGGCC 120  
 QY 482 AGGACCTGTGACCAATGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 541  
 DB 121 AGGACCTGTGACCAATGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 180



QY 2257 CAGTCTGGGAGGAGGATCAGAGGCTCTCTCCACATGCCAAGCGAG 2316  
| | | | |  
DB 402 CAGTCTGGGAGGAGGATCAGAGGCTCTCTCCACATGCCAAGCGAG 461  
| | | | |  
QY 2317 ACCACAGCTTACCAAAATTCAGCCCTTATTCCTGCTGCTCAATTAAGGAAGAG 2376  
| | | | |  
DB 462 ACCACAGCTTACCAAAATTCAGCCCTTATTCCTGCTGCTCAATTAAGGAAGAG 521  
| | | | |  
QY 2377 GTCTGCTGATCCGCTTACGAGATCAGGAGAGAAAGAGGAGGCTGAGGAGC 2436  
| | | | |  
DB 522 GTCTGCTGATCCGCTTACGAGATCAGGAGAGAAAGAGGAGGCTGAGGAGC 581  
| | | | |  
QY 2437 CCCCTCAGAGCTCTACTGTTTCCCAAGTACAGGAGGAGGAGGAGGCTTATCAGG 2496  
| | | | |  
DB 582 CCCCTCAGAGCTCTACTGTTTCCCAAGTACAGGAGGAGGAGGAGGCTTATCAGG 641  
| | | | |  
QY 2497 TATCATCAACAGGTTCTCAATTAAAGATTGATTATTCAGTA 2540  
| | | | |  
DB 642 TATCATCAACAGGTTCTCAATTAAAGATTGATTATTCAGTA 685  
| | | | |  
RESULT 30  
US-09-764-905-1436  
Sequence 1436, Application US/09764905  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
FILE REFERENCE: PC004  
CURRENT APPLICATION NUMBER: US/09764,905  
CURRENT FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 60/179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: 60/214,886  
PRIOR FILING DATE: 2000-06-28  
PRIOR APPLICATION NUMBER: 60/217,487  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,758  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,963  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/217,496  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,447  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/218,230  
PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: 60/225,757  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/226,868  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/216,647  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,267  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/216,880  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,270  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/251,869  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/235,834  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/234,274  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/234,223  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/228,924  
PRIOR FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/224,518  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,369  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/224,519  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,964  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/241,809  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/249,299  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/236,327  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/241,785  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/244,617  
PRIOR FILING DATE: 2000-11-01  
PRIOR APPLICATION NUMBER: 60/225,268  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,368  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/251,856  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/251,868  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/229,344  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/234,997  
PRIOR FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: 60/229,343  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,345  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,287  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,513  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/231,413  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/229,509  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/236,367  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/237,039  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,038  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/236,370  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/236,802  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,037  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,040  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/240,960  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/239,935  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/239,937  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/241,787  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,474  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/246,532  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/249,216  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,210  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/226,681  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/225,759

PRIOR FILING DATE: 2000-08-14  
 PRIOR APPLICATION NUMBER: 60/225,213  
 PRIOR FILING DATE: 2000-08-14  
 PRIOR APPLICATION NUMBER: 60/227,182  
 PRIOR FILING DATE: 2000-08-22  
 PRIOR APPLICATION NUMBER: 60/225,214  
 PRIOR FILING DATE: 2000-08-14  
 PRIOR APPLICATION NUMBER: 60/235,836  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: 60/230,438  
 PRIOR FILING DATE: 2000-09-06  
 PRIOR APPLICATION NUMBER: 60/215,135  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: 60/225,266  
 PRIOR FILING DATE: 2000-08-14  
 PRIOR APPLICATION NUMBER: 60/249,218  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,208  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,213  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,212  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,207  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,245  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,244  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,217  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,211  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,215  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,264  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,214  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/249,297  
 PRIOR FILING DATE: 2000-11-17  
 PRIOR APPLICATION NUMBER: 60/232,400  
 PRIOR FILING DATE: 2000-09-14  
 PRIOR APPLICATION NUMBER: 60/231,242  
 PRIOR FILING DATE: 2000-09-08  
 PRIOR APPLICATION NUMBER: 60/232,081  
 PRIOR FILING DATE: 2000-09-08  
 PRIOR APPLICATION NUMBER: 60/232,080  
 PRIOR FILING DATE: 2000-09-08  
 PRIOR APPLICATION NUMBER: 60/231,414  
 PRIOR FILING DATE: 2000-09-08  
 PRIOR APPLICATION NUMBER: 60/231,244  
 PRIOR FILING DATE: 2000-09-08  
 PRIOR APPLICATION NUMBER: 60/233,064  
 PRIOR FILING DATE: 2000-09-14  
 PRIOR APPLICATION NUMBER: 60/233,063  
 PRIOR FILING DATE: 2000-09-14  
 PRIOR APPLICATION NUMBER: 60/232,397  
 PRIOR FILING DATE: 2000-09-14  
 PRIOR APPLICATION NUMBER: 60/232,399  
 PRIOR FILING DATE: 2000-09-14  
 PRIOR APPLICATION NUMBER: 60/232,401  
 PRIOR FILING DATE: 2000-09-14  
 PRIOR APPLICATION NUMBER: 60/241,808  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/241,826  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/241,786  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/241,221  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/246,475  
 PRIOR FILING DATE: 2000-11-08

PRIOR APPLICATION NUMBER: 60/231,243  
 PRIOR FILING DATE: 2000-09-08  
 PRIOR APPLICATION NUMBER: 60/233,065  
 PRIOR FILING DATE: 2000-09-14  
 PRIOR APPLICATION NUMBER: 60/232,398

Query Match 21.1% Score 542; DB 30; Length 705;  
 Best Local Similarity 99.7%; Pred. No. 1.4e-79;  
 Matches 642; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1897 TCAGCTCACTGCAACCTCCATCTCTGATTTCAAACTTTCTGCTCAGCTCCAGA 1956  
 DB 42 TCAGCTCACTGCAACCTCCATCTCTGATTTCAAACTTTCTGCTCAGCTCCAGA 101  
 QY 1957 ATGCTGGGATTTACAGGCTGACACCAACCAATGCTGCTATTTTGTATTTTGTAG 2016  
 DB 102 ATGCTGGGATTTACAGGCTGACACCAACCAATGCTGCTATTTTGTATTTTGTAG 161  
 QY 2017 ACATGGGGTTTCACACATTTGGCCAGGCTGTGCAACTCTGACTGAGTGATTCAC 2076  
 DB 162 ACATGGGGTTTCACACATTTGGCCAGGCTGTGCAACTCTGACTGAGTGATTCAC 221  
 QY 2077 CCACCTTGGCTCCCAAGGCTGGGATTTACAGGTGAGCCAGCCAGCTAGCT 2136  
 DB 222 CCACCTTGGCTCCCAAGGCTGGGATTTACAGGTGAGCCAGCCAGCTAGCT 281  
 QY 2137 CTCAGATCTATTTTCAATTTTGTGCTTACCATTTCCCTAGCACACTGCTTGCATCTT 2196  
 DB 282 CTCAGATCTATTTTCAATTTTGTGCTTACCATTTCCCTAGCACACTGCTTGCATCTT 341  
 QY 2197 GTGGCGGAATTAATAACACTCTTAAGCTGACACCTGAGGCGAGGACCT 2256  
 DB 342 GTGGCGGAATTAATAACACTCTTAAGCTGACACCTGAGGCGAGGACCT 401  
 QY 2257 CAGTGTGGGAGGGGATCAGAGGTGCTAAGCTCTCTCCACATGCGAGAG 2316  
 DB 402 CAGTGTGGGAGGGGATCAGAGGTGCTAAGCTCTCTCCACATGCGAGAG 461  
 QY 2317 ACCAGGCTCAGCAACATCCAGCCCTGATTTCCCTGCTGCTCATTAACGAAAGAG 2376  
 DB 462 ACCAGGCTCAGCAACATCCAGCCCTGATTTCCCTGCTGCTCATTAACGAAAGAG 521  
 QY 2377 GTCTGTGATCCCTTAAGGATCAGGAGAGAAAGAGATGGGTTGGAGGAC 2436  
 DB 522 GTCTGTGATCCCTTAAGGATCAGGAGAGAAAGAGATGGGTTGGAGGAC 581  
 QY 2437 CCCCTCAGTCTCTCTACTGTTCCCAAGCTACAGGTGGGAGGAGCTTATCAG 2496  
 DB 582 CCCCTCAGTCTCTCTACTGTTCCCAAGCTACAGGTGGGAGGAGCTTATCAG 641  
 QY 2497 TATCATCAACAGGTTCTCAATTAAAGATTTGATTTATCAAGTA 2540  
 DB 642 TATCATCAACAGGTTCTCAATTAAAGATTTGATTTATCAAGTA 685

RESULT 31  
 US-10-092-399-1436  
 Sequence 1436, Application US/10092399  
 GENERAL INFORMATION:  
 APPLICANT: Rosen et al.  
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 FILE REFERENCE: PC004CI  
 CURRENT APPLICATION NUMBER: US/10/092,399  
 CURRENT FILING DATE: 2002-03-07  
 NUMBER OF SEQ ID NOS: 42506  
 Prior Application removed - See File Wrapper or Palm  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 1436  
 LENGTH: 705  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: misc\_feature



LOCATION: (33)  
OTHER INFORMATION: n equals a,t,g, or c  
US-10-092-399-1436

Query Match 21.1%; Score 542; DB 39; Length 705;  
Best Local Similarity 99.7%; Pred. No. 1,4e-79;  
Matches 642; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1897 TCAGCTCAGTCACTCCATCTCTGATTCACCAATCTTCCTGCTCAGCTCCAGA 1956  
1957 ATAGCTGAGATTACAGCGCTACACCATCTGCTGCTAATTTTGTATTTTATAG 2016  
102 ATAGCTGAGATTACAGCGCTACACCATCTGCTGCTAATTTTGTATTTTATAG 161  
2017 ACATGGGTTTACACATTTGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2076  
162 ACATGGGTTTACACATTTGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 221  
2077 CCACCTGGCTCCCAAGCTGGGATTACAGGTGAGCCAGCCAGCCAGCTAGCT 2136  
222 CCACCTGGCTCCCAAGCTGGGATTACAGGTGAGCCAGCCAGCTAGCTAGCT 281  
2137 CTGAGATCTCTATTTTCTTTTGGCTTACCTTCCCTAGACACTGGCTTGCATCT 2196  
282 CTGAGATCTCTATTTTCTTTTGGCTTACCTTCCCTAGACACTGGCTTGCATCT 341  
2197 GTGGCGAATATAAATACCTCTTAAGCTAGCACTGAGTGAAGCCAGCACT 2256  
342 GTGGCGAATATAAATACCTCTTAAGCTAGCACTGAGTGAAGCCAGCACT 401  
2257 CAGTGTGGGAGGGGATAGAAAGTGTAAAGCTTCCCTCCCAATGGCCAAAGAG 2316  
402 CAGTGTGGGAGGGGATAGAAAGTGTAAAGCTTCCCTCCCAATGGCCAAAGAG 461  
2317 ACCAGGCTACACCAATCCAGCCCTGATTTCCCTGCTCCCTCATTAACAGAAAG 2376  
462 ACCAGGCTACACCAATCCAGCCCTGATTTCCCTGCTCCCTCATTAACAGAAAG 521  
2377 GTCTGTGGATCCCTAAGGATGAGGAGAGAGAAAGAGGATGGGGTGGAGGAC 2436  
522 GTCTGTGGATCCCTAAGGATGAGGAGAGAGAAAGAGGATGGGGTGGAGGAC 581  
2437 CCCCTCCAGTGTCTCTAAGTCCCAAGCTACAGGTGGGTGGAAAGGCTTTATCAG 2496  
582 CCCCTCCAGTGTCTCTAAGTCCCAAGCTACAGGTGGGTGGAAAGGCTTTATCAG 641  
2497 TATCATCAACAGGTTCTCATTAAGATTGATTATTCAAGTA 2540  
642 TATCATCAACAGGTTCTCATTAAGATTGATTATTCAAGTA 685

RESULT 32  
US-09-577-410-7880  
Sequence 7880, Application US/09577410  
GENERAL INFORMATION:  
APPLICANT: Gutierrez-Ramos, Jose-Carlos  
APPLICANT: Hodge, Martin  
APPLICANT: Kingsbury, Gillian  
APPLICANT: Mackay, Charles  
TITLE OF INVENTION: Nucleic Acid Molecules Derived from  
FILE REFERENCE: 5800-32  
CURRENT APPLICATION NUMBER: US/09/577,410  
PRIORITY FILING DATE: 2000-05-23  
PRIORITY FILING DATE: US 60/135,632  
PRIORITY FILING DATE: 1999-05-24  
PRIORITY FILING DATE: US 60/135,633  
PRIORITY FILING DATE: 1999-05-24  
PRIORITY FILING DATE: US 60/135,616  
PRIORITY FILING DATE: 1999-05-24  
NUMBER OF SEQ ID NOS: 8991

SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 7880  
LENGTH: 1358  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)...(1358)  
OTHER INFORMATION: n = A,T,C or G  
US-09-577-410-7880

Query Match 20.3%; Score 521; DB 22; Length 1358;  
Best Local Similarity 99.7%; Pred. No. 2,9e-76;  
Matches 761; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

1071 GGTGACAGCTCCCTCTGTTTCTGAAGCTGCAACAGGGAGAGTCTTCTCAGTGA 1130  
221 GGTGACAGCTCCCTCTGTTTCTGAAGCTGCAACAGGGAGAGTCTTCTCAGTGA 280  
1131 GGTGCTCCGGAGTCCCTCAGCTTCTTCAATCAGCTGAATGACAGAGCTCTCTTGA 1190  
281 GGTGCTCCGGAGTCCCTCAGCTTCTTCAATCAGCTGAATGACAGAGCTCTCTTGA 340  
1191 TGATGCTAGGCTCCCAAGAGAGGCTCAAAAGGAAACCAAGGCTGACACTAGAACCC 1250  
341 TGATGCTAGGCTCCCAAGAGAGGCTCAAAAGGAAACCAAGGCTGACACTAGAACCC 400  
1251 AATTGAGCTCTGAGGACCCCAAGAGAGGCTGAGCTCAGGAGGAGGAGGAGGAC 1310  
401 AATTGAGCTCTGAGGACCCCAAGAGAGGCTGAGCTCAGGAGGAGGAGGAGGAC 460  
1311 ACAGAGGTGATCTAGAGTCCCACTGACCTTGGCTTTCTCTTGAAGCTTTAGAA 1370  
461 ACAGAGGTGATCTAGAGTCCCACTGACCTTGGCTTTCTCTTGAAGCTTTAGAA 520  
1371 GTACACTTCTCTTCAAGTGCAGATCCCACTGAGGAGCTTGAAGGAGGAGGAG 1430  
521 GTACACTTCTCTTCAAGTGCAGATCCCACTGAGGAGCTTGAAGGAGGAGGAG 580  
1431 AGGTGGAGCAGAGGCTCCCAAAAGAGATTAAGCTTGGGGGTGTGACTTGA 1490  
581 AGGTGGAGCAGAGGCTCCCAAAAGAGATTAAGCTTGGGGGTGTGACTTGA 640  
1491 TTAGTTCTTGAAGTTGGGTTTCCAGTACATCTGATGAGTGCCTG-CCGTTGAG-CCCA 1548  
641 TTAGTTCTTGAAGTTGGGTTTCCAGTACATCTGATGAGTGCCTG-CCGTTGAG-CCCA 700  
1549 TTCTACATCCCAACCAATTAAACAGGCTCCCAAGGATGAAACCACTTGAAGTGA 1608  
701 TTCTACATCCCAACCAATTAAACAGGCTCCCAAGGATGAAACCACTTGAAGTGA 760  
1609 AGGTAAGATGATTTTCAAGAAATCTAAGTCTGTTGAGCCAGCAGCTACCTCAGA 1668  
761 AGGTAAGATGATTTTCAAGAAATCTAAGTCTGTTGAGCCAGCAGCTACCTCAGA 820  
1669 AGGTAAGATGATTTTCAAGAAATCTAAGTCTGTTGAGCCAGCAGCTACCTCAGA 1728  
821 AGGTAAGATGATTTTCAAGAAATCTAAGTCTGTTGAGCCAGCAGCTACCTCAGA 880  
1729 GATCTTGAATGATCCAGGCTCTATGATGACCTCCAGAGCAAAAGAAAGATCTGGACAGT 1788  
881 GATCTTGAATGATCCAGGCTCTATGATGACCTCCAGAGCAAAAGAAAGATCTGGACAGT 940  
1789 CTAGGCTCTCAATATGCTCCCAATTAGAGCAACAGCCCACT 1831  
941 CTAGGCTCTCAATATGCTCCCAATTAGAGCAACAGCCCACT 983

RESULT 33  
US-09-528-409-53130  
Sequence 53130, Application US/09528409  
GENERAL INFORMATION:  
APPLICANT: Dymnac, Radolje T.

```
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Dickson, Mark
APPLICANT: Jones, Lee W.
TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
FILE REFERENCE: 774
CURRENT APPLICATION NUMBER: US/09/528,409
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/125,453
NUMBER OF SEQ ID NOS: 116231
SOFTWARE: Hy-patent.pl Version 3.1
SEQ ID NO 53130
LENGTH: 878
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(878)
OTHER INFORMATION: n = A,T,C or G
US-09-528-409-53130
```

```
Query Match 20.0%; Score 514; DB 19; Length 878;
Best Local Similarity 100.0%; Pred. No. 4,6e-75;
Matches 514; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1052 CACCACTCAACTGGAAGAGCTGACAGCTCCCTGTTTCTGAAGTGCACAGGG 1111
DB 30 CACCACTCAACTGGAAGAGCTGACAGCTCCCTGTTTCTGAAGTGCACAGGG 89
QY 1112 AGGAGCTCTTCTCAGTGAAGGCTCCGGAGGCTCCAGTCTCAATCACTGATG 1171
DB 90 AGGAGCTCTTCTCAGTGAAGGCTCCGGAGGCTCCAGTCTCAATCACTGATG 149
QY 1172 ACGAGGCTCTCTTGTGATGATGCTTGAAGGCCAAGAGGCAAGGAAACCAAG 1231
DB 150 ACGAGGCTCTCTTGTGATGATGCTTGAAGGCCAAGAGGCAAGGAAACCAAG 209
QY 1232 GCTGCACACTAGAACCCCAATTGACGCTCTGGGACACCCAGAGGCAAGGCTGCACT 1291
DB 210 GCTGCACACTAGAACCCCAATTGACGCTCTGGGACACCCAGAGGCAAGGCTGCACT 269
QY 1292 CAGGAGGAGGAGGTGGACACAGAGTGCATCTAGGGTCCCACTGATCCCTTCTCTT 1351
DB 270 CAGGAGGAGGAGGTGGACACAGAGTGCATCTAGGGTCCCACTGATCCCTTCTCTT 329
QY 1352 CCTCTCTTGAAGCCCTTGAAGTCACTACTTCTTCAAGTGCATGATCCCACTGCAAC 1411
DB 330 CCTCTCTTGAAGCCCTTGAAGTCACTACTTCTTCAAGTGCATGATCCCACTGCAAC 389
QY 1412 TCTAGTGCAGTGCAGAGAGTGGACCAAGGCTCCAAAGAGATTAAGCTT 1471
DB 390 TCTAGTGCAGTGCAGAGAGTGGACCAAGGCTCCAAAGAGATTAAGCTT 449
QY 1472 CTTGGGGGGTCTGACCTAGTATTGTTGGGTTTCCAGTACCATCTGGATGCC 1531
DB 450 CTTGGGGGGTCTGACCTAGTATTGTTGGGTTTCCAGTACCATCTGGATGCC 509
QY 1532 CTGCTGTTGAGCCCACTTCAACATCCCAACCAT 1565
DB 510 CTGCTGTTGAGCCCACTTCAACATCCCAACCAT 543
```

```
RESULT 34
US-09-933-524-53130
Sequence 53130, Application US/09933524
GENERAL INFORMATION:
APPLICANT: Drmanac, Radoje T.
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Dickson, Mark
APPLICANT: Jones, Lee W.
```

```
TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
FILE REFERENCE: 774
CURRENT APPLICATION NUMBER: US/09/933,524
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 09/528,409
NUMBER OF SEQ ID NOS: 116231
SOFTWARE: Hy-patent.pl Version 3.1
SEQ ID NO 53130
LENGTH: 878
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(878)
OTHER INFORMATION: n = A,T,C or G
US-09-933-524-53130
```

```
Query Match 20.0%; Score 514; DB 35; Length 878;
Best Local Similarity 100.0%; Pred. No. 4,6e-75;
Matches 514; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1052 CACCACTCAACTGGAAGAGCTGACAGCTCCCTGTTTCTGAAGTGCACAGGG 1111
DB 30 CACCACTCAACTGGAAGAGCTGACAGCTCCCTGTTTCTGAAGTGCACAGGG 89
QY 1112 AGGAGCTCTTCTCAGTGAAGGCTCCGGAGGCTCCAGTCTCAATCACTGATG 1171
DB 90 AGGAGCTCTTCTCAGTGAAGGCTCCGGAGGCTCCAGTCTCAATCACTGATG 149
QY 1172 ACGAGGCTCTCTTGTGATGATGCTTGAAGGCCAAGAGGCAAGGAAACCAAG 1231
DB 150 ACGAGGCTCTCTTGTGATGATGCTTGAAGGCCAAGAGGCAAGGAAACCAAG 209
QY 1232 GCTGCACACTAGAACCCCAATTGACGCTCTGGGACACCCAGAGGCAAGGCTGCACT 1291
DB 210 GCTGCACACTAGAACCCCAATTGACGCTCTGGGACACCCAGAGGCAAGGCTGCACT 269
QY 1292 CAGGAGGAGGAGGTGGACACAGAGTGCATCTAGGGTCCCACTGATCCCTTCTCTT 1351
DB 270 CAGGAGGAGGAGGTGGACACAGAGTGCATCTAGGGTCCCACTGATCCCTTCTCTT 329
QY 1352 CCTCTCTTGAAGCCCTTGAAGTCACTACTTCTTCAAGTGCATGATCCCACTGCAAC 1411
DB 330 CCTCTCTTGAAGCCCTTGAAGTCACTACTTCTTCAAGTGCATGATCCCACTGCAAC 389
QY 1412 TCTAGTGCAGTGCAGAGAGTGGACCAAGGCTCCAAAGAGATTAAGCTT 1471
DB 390 TCTAGTGCAGTGCAGAGAGTGGACCAAGGCTCCAAAGAGATTAAGCTT 449
QY 1472 CTTGGGGGGTCTGACCTAGTATTGTTGGGTTTCCAGTACCATCTGGATGCC 1531
DB 450 CTTGGGGGGTCTGACCTAGTATTGTTGGGTTTCCAGTACCATCTGGATGCC 509
QY 1532 CTGCTGTTGAGCCCACTTCAACATCCCAACCAT 1565
DB 510 CTGCTGTTGAGCCCACTTCAACATCCCAACCAT 543
```

```
RESULT 35
US-09-933-524-53130
Sequence 53130, Application US/09933524
GENERAL INFORMATION:
APPLICANT: Drmanac, Radoje T.
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Dickson, Mark
APPLICANT: Jones, Lee W.
TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
FILE REFERENCE: 774
CURRENT APPLICATION NUMBER: US/09/933,524
```

```

? CURRENT FILING DATE: 2001-09-28, 405
? PRIOR APPLICATION NUMBER: 05/524,405
? PRIOR FILING DATE: 2000-05-17
? NUMBER OF SEQ ID NOS: 116231
? SOFTWARE: Hy-patent.pl Version 3.1
? SEQ ID NO 5310
? LENGTH: 878
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: misc feature
? LOCATION: (1)..(878)
? OTHER INFORMATION: n = A,T,C or G
US-09-933-524A-5310

```

Query Match	20.0%	Score 514	DB 35	Length 878
Best Local Similarity	100.00%	Pred. No. 4.6e-75		
Matches 514, Conservative	0	Mismatches	0	Indels 0
		Gaps	0	

Oy	1052	CACCACTCACTGAAAGAGCGGACAGCTCCCTCTGTGTTGTGAACTCCCAAGGGG	1111
Db	30	CACCACTCACTGAAAGCGGACAGCTCCCTCTGTGTTGTGAACTCCCAAGGGG	89
Oy	1112	AAGAACTCTTTCACATGAGGGTCCGGGAGTCCCTACCTTCAATCAGCTGAATG	1171
Db	90	AAGAACTCTTTCACATGAGGGTCCGGGAGTCCCTACCTTCAATCAGCTGAATG	149
Oy	1172	ACGAGGCTGTCTCTTGGATGATGCTTAGGCCCAAGGAGGCGCAAAAGGCAACGAG	1231
Db	150	ACGAGGCTGTCTCTTGGATGATGCTTAGGCCCAAGGAGGCGCAAAAGGCAACGAG	209
Oy	1232	GCTGCACACTAGAACCCCAATTCAGCCTCTGCGGACCCCGAAGGCAAGGCTGTGACT	1291
Db	210	GCTGCACACTAGAACCCCAATTCAGCCTCTGCGGACCCCGAAGGCAAGGCTGTGACT	269
Oy	1292	CAGGAGGAGGAGGAGGAGCAACAGAGGATCTTAGGGTCCCACTTACCTGCTCTT	1351
Db	270	CAGGAGGAGGAGGAGGAGCAACAGAGGATCTTAGGGTCCCACTTACCTGCTCTT	329
Oy	1352	CCTCTCTTAGCCCTTGAAGTACTTACTTCTTCATGTCATGATCCCAACCTGGACAC	1411
Db	330	CCTCTCTTAGCCCTTGAAGTACTTACTTCTTCATGTCATGATCCCAACCTGGACAC	389
Oy	1412	TCTAGTGCAGATGCAGAGAAAGTGTGACCAAGGCGCAGGGTTCCAAAAAGAGATPAAGCT	1471
Db	390	TCTAGTGCAGATGCAGAGAAAGTGTGACCAAGGCGCAGGGTTCCAAAAAGAGATPAAGCT	449
Oy	1472	CTGGGGGGGTGTGACCTTAGTATGTTCTTGATTTGGGGTTCCAGTACACTGGATGCC	1531
Db	450	CTGGGGGGGTGTGACCTTAGTATGTTCTTGATTTGGGGTTCCAGTACACTGGATGCC	509
Oy	1532	CTGCTCTTTAGAGCCCATTTTCACTCAATCCCACT	1565
Db	510	CTGCTCTTTAGAGCCCATTTTCACTCAATCCCACT	543

```

RESULT 36
US-09-277-227-16222
; Sequence 16222, Application US/09277227
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-766
; CURRENT APPLICATION NUMBER: US/09/277,227
; CURRENT FILING DATE: 1999-03-25
; NUMBER OF SEQ ID NOS: 23680
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16222
; LENGTH: 726
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-277-227-16222

```

Query Match	18.5%;	Score 474;	DB 16;	Length 726;
Best Local Similarity	100.0%;	Pred. No. 1.6e-68;		
Matches 474;	conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

Qy	475	CAAGGCCAGGGACCTGTACACCTAGAAAGAGAGAAAGCAAGGACCGTGGCCCTG	534
Db	13	CAAGGCCAGGGACCTGTACACCTAGAAAGAGAGAAAGCAAGGACCGTGGCCCTG	72
Qy	535	GGCAGATTCCCGCAGGTGGCCCGCCGAGCTTGCTGAGACTCGGGAGCCATTAC	594
Db	73	GGCAGATTCCCGCAGGTGGCCCGCCGAGCTTGCTGAGACTCGGGAGCCATTAC	132
Qy	595	ATCGTCTCTAGAGATGAGACTTGGTGGACGGCTGTCTAAATCTCAGGCAGAGAGAT	654
Db	133	ATCGTCTCTAGAGATGAGACTTGGTGGACGGCTGTCTAAATCTCAGGCAGAGAGAT	192
Qy	655	AACATCCCCAGCGTCCAGTGGCCAAAGTCTCCCATGGGTGGCTGATGAGGGCTGAGC	714
Db	193	AACATCCCCAGCGTCCAGTGGCCAAAGTCTCCCATGGGTGGCTGATGAGGGCTGAGC	252
Qy	715	AGGGAGAAAGCAGAGAACTGTGTGTTAACTGGGAAACCTTGAAGGGCTCTTCTATC	774
Db	253	AGGGAGAAAGCAGAGAACTGTGTGTTAACTGGGAAACCTTGAAGGGCTCTTCTATC	312
Qy	775	GGGAGAGACGAGACCGAGAGAGGGCTTAACTCTCTGTAGTCCGCTCAGCGCCCTTGA	834
Db	313	GGGAGAGACGAGACCGAGAGAGGGCTTAACTCTCTGTAGTCCGCTCAGCGCCCTTGA	372
Qy	835	TCTTGGAGCCGATCAGACATCAAGGATCACTGCCTTGAACAATGGCTGGCTTACATC	894
Db	373	TCTTGGAGCCGATCAGACATCAAGGATCACTGCCTTGAACAATGGCTGGCTTACATC	432
Qy	895	TCAACCGCGCTCACTTCCCTCACTCAAGGCCGTGGAGCCATTACTCTAG	948
Db	433	TCAACCGCGCTCACTTCCCTCACTCAAGGCCGTGGAGCCATTACTCTAG	486

```

RESULT 37
US-09-909-627-16222
: Sequence 16222, Application US/09909627
:
: GENERAL INFORMATION:
:   APPLICANT: Hyseq, Inc.
:   TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
:   TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
:   FILE REFERENCE: 20411-766
:   CURRENT APPLICATION NUMBER: US/09/909,627
:   CURRENT FILING DATE: 2001-07-19
:   PRIOR APPLICATION NUMBER: 09/277,227
:   PRIOR FILING DATE: 1999-03-23
:   NUMBER OF SEQ. ID NOS: 2380
:   SOFTWARE: fastseq for Windows Version 3.0
:   SEQ ID NO: 16222
:   LENGTH: 726
:   TYPE: DNA
:   ORGANISM: Homo sapiens
US-09-909-627-16222

```

```
Query Match      18.5%; Score 474; DB 34; Length 726;
Best Local Similarity 100.0%; Pred. No. 1.6e-68;
Matches 474; Conservative 0; Mismatches 0; Indels 0; Gaps 0
```

Oy	475	CAGGCGACGGAGACTGTGACCATGAGACAGAGAAAGGCAAGCCCTGCCTTG	534
Dd	13	CAGGCGACGGAGACTGTGACCATGAGACAGAGAAAGGCAAGCCCTGCCTTG	72
Oy	535	GGAAGTTTCCGGAGATGGCCCCGGCCGAGCAGTTCGCTGAGACTGGGAGCCATTGACC	594
Dd	73	GGAAGTTTCCGGAGATGGCCCCGGCCGAGCAGTTCGCTGAGACTGGGAGCCATTGACC	132
Oy	595	ATTCCTCTGAGATGAGACAGCTGTGACCGTCTCTCTGAAGCTTAGGCCAGAGAGAT	654
Dd	133	ATTCCTCTGAGATGAGACAGCTGTGACCGTCTCTCTGAAGCTTAGGCCAGAGAGAT	192

QY	655	AAATCCCGAGGTCTACGTGGCCAAATCTCCCAATGGGTGCTGTATAGAGGCTCGAGC	712
Db	193	AAATCTCCCGAGGTCTACGTGGCCAAATCTCCCAATGGGTGCTGTATAGAGGCTCGAGC	252
QY	715	AGGAGAGAAAGCAGAGAGAACTGCTGTTGTTACTCTGGGAGACCCGAGAGGGGCTTCCATATC	774
Db	253	AGGAGAGAAAGCAGAGAGAACTGCTGTTGTTACTCTGGAGACCCGAGAGGGGCTTCCATATC	312
QY	775	CGGAGAGCCAGACACAGAGAGGCTTACTCTGTCACTCCGCTCAGCCGCTCGAC	833
Db	313	CGGAGAGCCAGACACAGAGAGGCTTACTCTGTCACTCCGCTCAGCCGCTCGAC	372
QY	835	TCTGTGAGACCGGATCTACAACATACAGAGATCCAATGCTTGAACATGCTGCTGATCATC	894
Db	373	TCTGTGAGACCGGATCTACAACATACAGAGATCCAATGCTTGAACATGCTGCTGATCATC	432
QY	895	TCAACGGGCTCTACATTTCCCTCCATCTCAAGGCGCTGTGTGACATATCTGTAG	948
Db	433	TCAACGGGCTCTACATTTCCCTCCATCTCAAGGCGCTGTGTGACATATCTGTAG	486

```

RESULT 38
PCT-US01-08631-10554
; Sequence 10554, Application PC/TUS0108631
; GENERAL INFORMATION:
; APPLICANT: Hvaeq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Cusom
; SEQ ID NO. 10554
; LENGTH: 2049
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (3)..(716)
; OTHER INFORMATION: 72% homologous to Homo sapiens d14608.1 (novel protein
; OTHER INFORMATION: similar to N-myc downstream regulated (NDRG1)), accession number
; NAME/KEY: misc_feature
; LOCATION: (1)...(2049)
; OTHER INFORMATION: n = a,t,c or g
; CCT-US01-08631-10554

```

	Query Match	17.6%	Score 452;	DB 1;	Length 2049;
	Best Local Similarity	100.0%	Pred. NO. 4,1e-65;		
	Matches 452;	Conservative	0;	Mismatches	0;
				Indels	0;
				Gaps	0;
QY	372	ATTTCCTCCGATGATGTCCTCTCTGAGTCTCTGCTGAGAACATGAGGAGTCTGCCAG	431		
Db	922	ATTTCCTCCGATGATGTCCTCTGAGTCTCTGCTGAGAACATGAGGAGTCTGCCAG	981		
QY	432	CAGAGAAAATCTCTGCGCAAGCCCAAGCTTAGTCTCTCTGTCGCAAGCCGAGGACCTCT	491		
Db	982	CAGAGAAAATCTCTGCGCAAGCCCAAGCTTAGTCTCTCTGTCGCAAGCCGAGGACCTCT	1041		
QY	492	GACCTGGAAGCGAGAGAGCAAGCCCAAGCCCTGAGGCAATTCCCGCAGG	551		
Db	1042	GACCTGGAAGCGAGAGAGCAAGCCCAAGCCCTGAGGCAATTCCCGCAGG	1101		
QY	552	TGCGCCGCGCGAGACTGTGCTGAGACTCGGGGAGCACTTAGCATTCGCTCTGAGGATG	611		
Db	1102	TGCGCCGCGCGAGACTGTGCTGAGACTCGGGGAGCACTTAGCATTCGCTCTGAGGATG	1161		
QY	612	AACCTGGTGGACCGGTCTGTGTGAAGTCTCAGCGAGAGAGATTAACTCCCAAGGTCCA	671		

Db	1162	AGACTGGGAGACGGTCTGTCTGAAAGCTTCAGGACGAAATATATATCCCAACCTTCA	1221
Qy	672	CGTGCCAAAGTCTCCATGGGATGGCTGATATAGAGGACTGAGCAGGAGAAAGCAGAGGA	731
Db	1222	CGTGCCAAAGTCTCCATGGGATGGCTGATATAGAGGACTGAGCAGGAGAAAGCAGAGGA	1281
Qy	732	ACTGCTGTGTTCACCTGGGAAACCTTGGAGGGCTTCTCTATCCGGAGAGCCAGACAG	791
Db	1282	ACTGCTGTGTTCACCTGGGAAACCTTGGAGGGCTTCTCTATCCGGAGAGCCAGACAG	1341
Qy	792	GAGAGCCTTACTCTCTGTAGTCGAGCTCA	823
Db	1342	GAGAGCCTTACTCTCTGTAGTCGAGCTCA	1373

```

RESULT 39
US-09-489-036-30794
Sequence 30794, Application US/09489036
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained
FROM SEVERAL LIBRARIES
FILE REFERENCE: 783
CURRENT APPLICATION NUMBER: US/09/489, 036
CURRENT FILING DATE: 2000-01-19
NUMBER OF SEQ. ID NOS: 35324
SOFTWARE: H7Patent.pl Version 3.1
SEQ. ID NO 30794
LENGTH: 756
TIERS: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(756)
OTHER INFORMATION: n = A,T,C or G
US-09-489-036-30794

```

Query Match	Similarity	17.44%	Score	446	DB	181	Length	756
Best Local	Similarity	100.0%	Pred.	No. 5e-66				
Matches	446	Conservative	0	Mismatches	0	Indels	0	Gaps
OY	486	ACCTGTGACCATGGAAGAGAGAGAAAGCAAGACACAGCCGCTGCGCTCTGGGCAATTTCCC	545					
Db	24	ACCTGTGACCATGGAAGAGAGAGAAAGCAAGACACAGCCGCGCTCTGGGCAATTTCCC	83					
OY	546	GGCAGTGTGCCCCGCGCCGACGCTTGCTGTGACACTCGAGACCCATTTGACATCGTCTCTGA	605					
Db	84	GGCAGTGTGCCCCGCGCGACGCTTGCTGTGACACTCGAGACCCATTTGACATCGTCTCTGA	143					
OY	606	GGATGTGACATGTGTGGAAGGTGTCTGTGAAGTCTCAGGACAGAGATATTAATCTCCGAC	665					
Db	144	GGATGTGACATGTGTGGAAGGTGTCTGTGAAGTCTCAGGACAGAGATATTAATCTCCGAC	203					
OY	666	CGTCCAGTGTGCCCAAGTCTTCCATGGGTGCTGTATGAGAGCCCTGACGACGGGAAAGAC	725					
Db	204	CGTCCAGTGTGCCCAAGTCTTCCATGGGTGCTGTATGAGAGCCCTGACGACGGGAAAGAC	263					
OY	726	AAGAGAACTGCTGTGTGTACTTCTCTGAGAACTCTGAGAGGAGGCTTTCTCTATCCGGAGAGCCA	785					
Db	264	AAGAGAACTGCTGTGTGTACTTCTCTGAGAACTCTGAGAGGAGGCTTTCTCTATCCGGAGAGCCA	323					
OY	786	GACCAAGAGAGAGCTTTACTCTCTGTCAAGTCCGCTCAGCCGCTCTCATCTGTGGACCG	845					
Db	324	GACCAAGAGAGAGCTTTACTCTCTGTCAAGTCCGCTCAGCCGCTCTCATCTGTGGACCG	383					
OY	846	GATCAGACACTCAGAGATCAACGCTTGACATATGCTGAGCTGATACATCTCAACGCCCT	905					
Db	384	GATCAGACACTCAGAGATCAACGCTTGACATATGCTGAGCTGATACATCTCAACGCCCT	443					
OY	906	CACCTTCCCTCACTCCAGGCTCTGG	931					
Db	444	CACCTTCCCTCACTCCAGGCTCTGG	469					



QY 2119 ACGGACCCAGCCTAGCTCAGATCTCAATTCATTTTGTGCTTACATTCCTTACGA 2178  
DB 1507 ACGGACCCAGCCTAGCTCAGATCTCAATTCATTTTGTGCTTACATTCCTTACGA 1448  
QY 2179 CACTGGCCTTGCATCTTGTGGCGAATAAATAACACTTCAAGTACAGACACTG 2238  
DB 1447 CACTGGCCTTGCATCTTGTGGCGAATAAATAACACTTCAAGTACAGACACTG 1388  
QY 2239 CAGTGAAGCCAGCAGCCTCAGTGTCTGGCGAGGGGATCAGAGTGTCTTACCTCTCTC 2298  
DB 1387 CAGTGAAGCCAGCAGCCTCAGTGTCTGGCGAGGGGATCAGAGTGTCTTACCTCTCTC 1328  
QY 2299 CACATGCGCAGAGAGACACAGCCTCAACAAATCCAGCCCTTGAATTCCTGCTG 2358  
DB 1327 CACATGCGCAGAGAGACACAGCCTCAACAAATCCAGCCCTTGAATTCCTGCTG 1268  
QY 2359 CTCCTATTAACAGAAAGAGTCTCTGTGATCCGCTTAAGGATCAAGGAGAGAGAAAG 2418  
DB 1267 CTCCTATTAACAGAAAGAGTCTCTGTGATCCGCTTAAGGATCAAGGAGAGAGAAAG 1208  
QY 2419 GGATGGGGTGGAGGACACCCCTCAGTGTCTCTACTGTCCCAAGCTACAGGTGGGT 2478  
DB 1207 GGATGGGGTGGAGGACACCCCTCAGTGTCTCTACTGTCCCAAGCTACAGGTGGGT 1148  
QY 2479 GGGAAAGCTTTATCAGATATCATCAACAGGTTCTCAATTAAGATTGATTATTCAG 2538  
DB 1147 GGGAAAGCTTTATCAGATATCATCAACAGGTTCTCAATTAAGATTGATTATTCAG 1088  
QY 2539 TATGTGAAA 2548  
DB 1087 TATGTGAAA 1078

RESULT 43  
US-09-534-846B-19157  
; Sequence 19157, Application US/09534846B  
; GENERAL INFORMATION:  
; APPLICANT: Selhamer, Jeffrey J.  
; APPLICANT: Deleese, Angelo M.  
; APPLICANT: Stuart, Susan G.  
; APPLICANT: Stuve, Laura L.  
; APPLICANT: Mullaly, Sara J.  
; APPLICANT: Naughton, Rebecca E.  
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING OR REGULATING GROWTH, DEVELOPMENT, AND  
; FILE REFERENCE: PD-1021 CIP  
; CURRENT APPLICATION NUMBER: US/09/534,846B  
; Prior application data removed - refer to file wrapper or PALM  
; NUMBER OF SEQ ID NOS: 38710  
; SOFTWARE: PERL Program  
; SEQ ID NO 19157  
; LENGTH: 428  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incycle ID No: hu01233438  
US-09-534-846B-19157

Query Match 16.7%; Score 428; DB 20; Length 428;  
Best Local Similarity 100.0%; Pred. No. 5,7e-61;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2119 ACGGACCCAGCCTAGCTCAGATCTCAATTCATTTTGTGCTTACATTCCTTACGA 2178  
DB 1 ACGGACCCAGCCTAGCTCAGATCTCAATTCATTTTGTGCTTACATTCCTTACGA 60  
QY 2179 CACTGGCCTTGCATCTTGTGGCGAATAAATAACACTTCAAGTACAGACACTG 2238  
DB 61 CACTGGCCTTGCATCTTGTGGCGAATAAATAACACTTCAAGTACAGACACTG 120

QY 2239 CAGTGAAGCCAGGACCTCAGTGTCTGGCGAGGGGATCAGAAAGTCTTAAGCCCTCTCTC 2238  
DB 121 CAGTGAAGCCAGGACCTCAGTGTCTGGCGAGGGGATCAGAAAGTCTTAAGCCCTCTCTC 180  
QY 2299 CCAATGCGCAGAGAGACACAGCCTCAACCAATTCAGCCCTTGAATTCCTGCTG 2358  
DB 181 CCAATGCGCAGAGAGACACAGCCTCAACCAATTCAGCCCTTGAATTCCTGCTG 240  
QY 2359 CTCCTATTAACAGAAAGAGTCTCTGTGATCCGCTTAAGGATCAAGGAGAGAGAAAG 2418  
DB 241 CTCCTATTAACAGAAAGAGTCTCTGTGATCCGCTTAAGGATCAAGGAGAGAGAAAG 300  
QY 2419 GGATGGGGTGGAGGACACCCCTCAGTGTCTCTACTGTCCCAAGCTACAGGTGGGT 2478  
DB 301 GGATGGGGTGGAGGACACCCCTCAGTGTCTCTACTGTCCCAAGCTACAGGTGGGT 360  
QY 2479 GGGAAAGCTTTATCAGATATCATCAACAGGTTCTCAATTAAGATTGATTATTCAG 2538  
DB 361 GGGAAAGCTTTATCAGATATCATCAACAGGTTCTCAATTAAGATTGATTATTCAG 420  
QY 2539 TATGTGAAA 2546  
DB 421 TATGTGAAA 428

RESULT 44  
US-09-489-036-30791  
; Sequence 30791, Application US/09489036  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc.  
; TITLE OF INVENTION: Novel Nucleic Acid Sequences Obtained  
; FILE REFERENCE: 783  
; CURRENT APPLICATION NUMBER: US/09/489,036  
; CURRENT FILING DATE: 2000-01-19  
; NUMBER OF SEQ ID NOS: 35324  
; SOFTWARE: Hy-patent.pl Version 3.1  
; SEQ ID NO 30791  
; LENGTH: 768  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-489-036-30791

Query Match 16.5%; Score 423; DB 18; Length 768;  
Best Local Similarity 99.8%; Pred. No. 3e-60;  
Matches 473; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 475 CAAGGCGAGGACCTGTGACATGGAACAGAGAGCAAGGACCAAGCCGTGGCCCTG 534  
DB 13 CAAGGCGAGGACCTGTGACATGGAACAGAGAGCAAGGACCAAGCCGTGGCCCTG 72  
QY 535 GGCAGTTTCCGGCAGGTGGCCCGGCCGAGCTGTCTGAGACTTGGGAGCCATTGACC 594  
DB 73 GGCAGTTTCCGGCAGGTGGCCCGGCCGAGCTGTCTGAGACTTGGGAGCCATTGACC 132  
QY 595 ATGCTCTGAGATGAGAGACTGTGAGCGGTCTGTGAGTCTCAGACAGAGAGTAT 654  
DB 133 ATGCTCTGAGATGAGAGACTGTGAGCGGTCTGTGAGTCTCAGACAGAGAGTAT 192  
QY 655 AACATCCCAAGGCTCAAGTGGCAAAATCTCCCATGGGTGGCTGTATAGGGCTGAGC 714  
DB 193 AACATCCCAAGGCTCAAGTGGCAAAATCTCCCATGGGTGGCTGTATAGGGGCTGAGC 252  
QY 715 AGGAGAAAGAGAGAGACTGTGTTTACCTGGGAAACCTCGAGGGGCTTCTCATC 774  
DB 253 AGGAGAAAGAGAGAGACTGTGTTTACCTGGGAAACCTCGAGGGGCTTCTCATC 312  
QY 775 CCGGAGAGCCAGACAGAGAGAGCTTTACTCTGTCTGCTGCTGAGCCGCTGCA 834  
DB 313 CCGGAGAGCCAGACAGAGAGAGCTTTACTCTGTCTGCTGCTGAGCCGCTGCA 372  
QY 835 TCCTGGGACCGGATCAAGACTACAGATCACTGCTGCTTGAATGGTGGCTGTATC 894

Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



```
OY 2128 AGCTAGCTCTCAGATCTTAATTTCAATTTTGTGCTTACCATTCCTTACGACTGCGCT 2187
DB 1 AGCTAGCTCTCAGATCTTAATTTCAATTTTGTGCTTACCATTCCTTACGACTGCGCT 60
OY 2188 TGGCATCTTGTGGCCGAATTAATAATTAACACTCTTAAGTCTAGCACTAGTGAAGGC 2247
DB 61 TGGCATCTTGTGGCCGAATTAATAATTAACACTCTTAAGTCTAGCACTAGTGAAGGC 120
OY 2248 CAGGCACTCTCAGTGTGGGCAAGGGGATAGAAAGGTCTAAGCCCTCTCTCCACATATGC 2307
DB 121 CAGGCACTCTCAGTGTGGGCAAGGGGATAGAAAGGTCTAAGCCCTCTCTCCACATATGC 180
OY 2308 AAGACGAGACCAAGCCTTACACCAATTCAGCCCTTGATTTTCCGCTGCTCCATATA 2367
DB 181 AAGACGAGACCAAGCCTTACACCAATTCAGCCCTTGATTTTCCGCTGCTCCATATA 240
OY 2368 CAGAAAGAGTCTGCTGATCCGTTAAGGATCAGGAGAGAAAGAGGATGGGGT 2427
DB 241 CAGAAAGAGTCTGCTGATCCGTTAAGGATCAGGAGAGAAAGAGGATGGGGT 300
OY 2428 GGGAGGACACCCCTCCAGTGTCTCTAGTCCCAAGCTACAGTGGGGTGGAAAGGC 2487
DB 301 GGGAGGACACCCCTCCAGTGTCTCTAGTCCCAAGCTACAGTGGGGTGGAAAGGC 360
OY 2488 TTTATCAGTATCATCAACAGGTTCTCAATTAAAGTTTGAATTTTCAAGTATGATA 2547
DB 361 TTTATCAGTATCATCAACAGGTTCTCAATTAAAGTTTGAATTTTCAAGTATGATA 420
OY 2548 A 2548
DB 421 A 421

RESULT 48
US-09-652-126-9976
; Sequence 9976, Application US/09652126
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.1185-001
; CURRENT APPLICATION NUMBER: US/09/652.126
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/151.132
; PRIOR FILING DATE: 1999-08-30
; NUMBER OF SEQ ID NOS: 10051
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9976
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-652-126-9976

Query Match 16.4%; Score 421; DB 25; Length 1430;
Best Local Similarity 100.0%; Pred. No. 5.1e-60;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2128 AGCTAGCTCTCAGATCTTAATTTCAATTTTGTGCTTACCATTCCTTACGACTGCGCT 2187
DB 1 AGCTAGCTCTCAGATCTTAATTTCAATTTTGTGCTTACCATTCCTTACGACTGCGCT 60
OY 2188 TGGCATCTTGTGGCCGAATTAATAATTAACACTCTTAAGTCTAGCACTAGTGAAGGC 2247
DB 61 TGGCATCTTGTGGCCGAATTAATAATTAACACTCTTAAGTCTAGCACTAGTGAAGGC 120
OY 2248 CAGGCACTCTCAGTGTGGGCAAGGGGATAGAAAGGTCTAAGCCCTCTCTCCACATATGC 2307
DB 121 CAGGCACTCTCAGTGTGGGCAAGGGGATAGAAAGGTCTAAGCCCTCTCTCCACATATGC 180
OY 2308 AAGACGAGACCAAGCCTTACACCAATTCAGCCCTTGATTTTCCGCTGCTCCATATA 2367
DB 181 AAGACGAGACCAAGCCTTACACCAATTCAGCCCTTGATTTTCCGCTGCTCCATATA 240
```

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OY 2368 CAGAAAGAGTCTGCTGATCCGTTAAGGATCAGGAGAGAAAGAGGATGGGGT 2427
DB 241 CAGAAAGAGTCTGCTGATCCGTTAAGGATCAGGAGAGAAAGAGGATGGGGT 300
OY 2428 GGGAGGACACCCCTCCAGTGTCTCTAGTCCCAAGCTACAGTGGGGTGGAAAGGC 2487
DB 301 GGGAGGACACCCCTCCAGTGTCTCTAGTCCCAAGCTACAGTGGGGTGGAAAGGC 360
OY 2488 TTTATCAGTATCATCAACAGGTTCTCAATTAAAGTTTGAATTTTCAAGTATGATA 2547
DB 361 TTTATCAGTATCATCAACAGGTTCTCAATTAAAGTTTGAATTTTCAAGTATGATA 420
OY 2548 A 2548
DB 421 A 421

RESULT 49
US-09-652-816-9350
; Sequence 9350, Application US/09652816
; GENERAL INFORMATION:
; APPLICANT: Guierrez-Ramos, Jose-Carlos
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.1177-001
; CURRENT APPLICATION NUMBER: US/09/652.816
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/152.111
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 9647
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9350
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-652-816-9350

Query Match 16.4%; Score 421; DB 25; Length 1430;
Best Local Similarity 100.0%; Pred. No. 5.1e-60;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2128 AGCTAGCTCTCAGATCTTAATTTCAATTTTGTGCTTACCATTCCTTACGACTGCGCT 2187
DB 1 AGCTAGCTCTCAGATCTTAATTTCAATTTTGTGCTTACCATTCCTTACGACTGCGCT 60
OY 2188 TGGCATCTTGTGGCCGAATTAATAATTAACACTCTTAAGTCTAGCACTAGTGAAGGC 2247
DB 61 TGGCATCTTGTGGCCGAATTAATAATTAACACTCTTAAGTCTAGCACTAGTGAAGGC 120
OY 2248 CAGGCACTCTCAGTGTGGGCAAGGGGATAGAAAGGTCTAAGCCCTCTCTCCACATATGC 2307
DB 121 CAGGCACTCTCAGTGTGGGCAAGGGGATAGAAAGGTCTAAGCCCTCTCTCCACATATGC 180
OY 2308 AAGACGAGACCAAGCCTTACACCAATTCAGCCCTTGATTTTCCGCTGCTCCATATA 2367
DB 181 AAGACGAGACCAAGCCTTACACCAATTCAGCCCTTGATTTTCCGCTGCTCCATATA 240
OY 2368 CAGAAAGAGTCTGCTGATCCGTTAAGGATCAGGAGAGAAAGAGGATGGGGT 2427
DB 241 CAGAAAGAGTCTGCTGATCCGTTAAGGATCAGGAGAGAAAGAGGATGGGGT 300
OY 2428 GGGAGGACACCCCTCCAGTGTCTCTAGTCCCAAGCTACAGTGGGGTGGAAAGGC 2487
DB 301 GGGAGGACACCCCTCCAGTGTCTCTAGTCCCAAGCTACAGTGGGGTGGAAAGGC 360
OY 2488 TTTATCAGTATCATCAACAGGTTCTCAATTAAAGTTTGAATTTTCAAGTATGATA 2547
DB 361 TTTATCAGTATCATCAACAGGTTCTCAATTAAAGTTTGAATTTTCAAGTATGATA 420
OY 2548 A 2548
DB 421 A 421
```

```
RESULT 50
US-09-652-914-9615
; Sequence 9615, Application US/09652914
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600.1193-001
; CURRENT APPLICATION NUMBER: US/09/652.914
; CURRENT FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/152,112
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 9677
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9615
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-652-914-9615

Query Match          16.4%; Score 421; DB 25; Length 1430;
Best Local Similarity 100.0%; Pred. No. 5.1e-60;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2128 AGCTAGCTTCAGATCTCTATTCTATTTTGTGCTTACCATTCCTTACGACACTGGCCT 2187
Db 1 AGCTAGCTTCAGATCTCTATTCTATTTTGTGCTTACCATTCCTTACGACACTGGCCT 60
Qy 2188 TGGCATCTTGTGGCCGGAATATAAATAACACCTCTTAAGCTAGACACAGTGAAGG 2247
Db 61 TGGCATCTTGTGGCCGGAATATAAATAACACCTCTTAAGCTAGACACAGTGAAGG 120
Qy 2248 CAGGACCTCAGTGTGGGCAAGGGGATAGAGAGTCTTAAGCCTCTCTCCAAATGCC 2307
Db 121 CAGGACCTCAGTGTGGGCAAGGGGATAGAGAGTCTTAAGCCTCTCTCCAAATGCC 180
Qy 2308 AAGCGGAGACACAGCCTACACCAATACAGCCTTGATTCCCTGCTGCTCCATATA 2367
Db 181 AAGCGGAGACACAGCCTACACCAATACAGCCTTGATTCCCTGCTGCTCCATATA 240
Qy 2368 CAGAAAGAGTGTGTGGATCCGCTAAGGATCAGGAGAGGAAAGAGGATGGGGT 2427
Db 241 CAGAAAGAGTGTGTGGATCCGCTAAGGATCAGGAGAGGAAAGAGGATGGGGT 300
Qy 2428 GGAAGGACACCCCTCAGTGTCTCTAAGTCCCAAGCTACAGGTGGGGTGGAAAGGC 2487
Db 301 GGAAGGACACCCCTCAGTGTCTCTAAGTCCCAAGCTACAGGTGGGGTGGAAAGGC 360
Qy 2488 TTTATCAGGTATCATCAACAGGTTCTCAATTAAGATTTGATTTTCAAGTATGAAA 2547
Db 361 TTTATCAGGTATCATCAACAGGTTCTCAATTAAGATTTGATTTTCAAGTATGAAA 420
Qy 2548 A 2548
Db 421 A 421

RESULT 51
US-09-698-010-15270
; Sequence 15270, Application US/09698010
; GENERAL INFORMATION:
; APPLICANT: Williamson, Mark
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600.2029-001
; CURRENT APPLICATION NUMBER: US/09/698.010
; CURRENT FILING DATE: 2000-10-27
; PRIOR APPLICATION NUMBER: 60/162,358
; PRIOR FILING DATE: 1999-10-29
; NUMBER OF SEQ ID NOS: 15684
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 15270
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-698-010-15270

Query Match          16.4%; Score 421; DB 27; Length 1430;
Best Local Similarity 100.0%; Pred. No. 5.1e-60;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2128 ACCCTAGCTTCAGATCTCTATTCTATTTTGTGCTTACCATTCCTTACGACACTGGCCT 2187
Db 1 ACCCTAGCTTCAGATCTCTATTCTATTTTGTGCTTACCATTCCTTACGACACTGGCCT 60
Qy 2188 TGGCATCTTGTGGCCGGAATATAAATAACACCTCTTAAGCTAGACACAGTGAAGG 2247
Db 61 TGGCATCTTGTGGCCGGAATATAAATAACACCTCTTAAGCTAGACACAGTGAAGG 120
Qy 2248 CAGGACCTCAGTGTGGGCAAGGGGATAGAGAGTCTTAAGCCTCTCTCCAAATGCC 2307
Db 121 CAGGACCTCAGTGTGGGCAAGGGGATAGAGAGTCTTAAGCCTCTCTCCAAATGCC 180
Qy 2308 AAGCGGAGACACAGCCTACACCAATACAGCCTTGATTCCCTGCTGCTCCATATA 2367
Db 181 AAGCGGAGACACAGCCTACACCAATACAGCCTTGATTCCCTGCTGCTCCATATA 240
Qy 2368 CAGAAAGAGTGTGTGGATCCGCTAAGGATCAGGAGAGGAAAGAGGATGGGGT 2427
Db 241 CAGAAAGAGTGTGTGGATCCGCTAAGGATCAGGAGAGGAAAGAGGATGGGGT 300
Qy 2428 GGAAGGACACCCCTCAGTGTCTCTAAGTCCCAAGCTACAGGTGGGGTGGAAAGGC 2487
Db 301 GGAAGGACACCCCTCAGTGTCTCTAAGTCCCAAGCTACAGGTGGGGTGGAAAGGC 360
Qy 2488 TTTATCAGGTATCATCAACAGGTTCTCAATTAAGATTTGATTTTCAAGTATGAAA 2547
Db 361 TTTATCAGGTATCATCAACAGGTTCTCAATTAAGATTTGATTTTCAAGTATGAAA 420
Qy 2548 A 2548
Db 421 A 421

RESULT 52
US-09-698-014-5921
; Sequence 5921, Application US/09698014
; GENERAL INFORMATION:
; APPLICANT: Gearing, David P.
; APPLICANT: Holtzman, Douglas A.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600.2014-001
; CURRENT APPLICATION NUMBER: US/09/698.014
; CURRENT FILING DATE: 2000-10-27
; PRIOR APPLICATION NUMBER: 60/162,363
; PRIOR FILING DATE: 1999-10-29
; NUMBER OF SEQ ID NOS: 6098
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5921
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-698-014-5921

Query Match          16.4%; Score 421; DB 27; Length 1430;
Best Local Similarity 100.0%; Pred. No. 5.1e-60;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2128 AGCTAGCTTCAGATCTCTATTCTATTTTGTGCTTACCATTCCTTACGACACTGGCCT 2187
Db 1 AGCTAGCTTCAGATCTCTATTCTATTTTGTGCTTACCATTCCTTACGACACTGGCCT 60
```

QY 2188 TGCATCTTGTGGCCGAAATTAACCTCTTAAGTCTAGCACTGCAAGAGC 2247  
DB 61 TGCATCTTGTGGCCGAAATTAACCTCTTAAGTCTAGCACTGCAAGAGC 120  
QY 2248 CAGGACCTCAGTGTGGCAGGGGATCAAGAGTCTAAGCCCTCTCCCAATGCG 2307  
DB 121 CAGGACCTCAGTGTGGCAGGGGATCAAGAGTCTAAGCCCTCTCCCAATGCG 180  
QY 2308 AAGAGGAGACCAACGCTTACCAATCCAGCCCTTGAATTCCTGCTCTCCATAA 2367  
DB 181 AAGAGGAGACCAACGCTTACCAATCCAGCCCTTGAATTCCTGCTCTCCATAA 240  
QY 2368 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGGAGAGGAGAAAGGAGTGGGT 2427  
DB 241 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGGAGAGGAGAAAGGAGTGGGT 300  
QY 2428 GGGAGGACCCCTCCAGTGTCTCACTGTTCCAGCTACAGTGGGGTGGAAAGGC 2487  
DB 301 GGGAGGACCCCTCCAGTGTCTCACTGTTCCAGCTACAGTGGGGTGGAAAGGC 360  
QY 2488 TTTATCAGGTATCATCAAGGTTCTCAATTAAGATTGATTATTCAGTATGTAAA 2547  
DB 361 TTTATCAGGTATCATCAAGGTTCTCAATTAAGATTGATTATTCAGTATGTAAA 420  
QY 2548 A 2548  
DB 421 A 421

RESULT 53  
US-09-700-000-5394  
Sequence 5394, Application US/09700000  
GENERAL INFORMATION:  
APPLICANT: Richardson, Jennifer  
APPLICANT: Shyjan, Andrew W.  
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
FILE REFERENCE: 1600, 2022-001  
CURRENT FILING DATE: 2000-10-30  
PRIOR APPLICATION NUMBER: US/09/700, 000  
PRIOR FILING DATE: 1999-10-29  
NUMBER OF SEQ ID NOS: 7171  
SOFTWARE: FaSeq for Windows Version 4.0  
SEQ ID NO 5394  
LENGTH: 1430  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-700-000-5394

Query Match 16.4%; Score 421; DB 28; Length 1430;  
Best Local Similarity 100.0%; Pred. No. 5.1e-60;  
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2128 AGCTTACCTCTCAGATCTCTATTTCATTTTGTGGCTTACCTCCAGACACTGGCT 2187  
DB 1 AGCTTACCTCTCAGATCTCTATTTCATTTTGTGGCTTACCTCCAGACACTGGCT 60  
QY 2188 TGCATCTTGTGGCCGAAATTAACCTCTTAAGTCTAGCACTGCAAGAGC 2247  
DB 61 TGCATCTTGTGGCCGAAATTAACCTCTTAAGTCTAGCACTGCAAGAGC 120  
QY 2248 CAGGACCTCAGTGTGGCAGGGGATCAAGAGTCTAAGCCCTCTCCCAATGCG 2307  
DB 121 CAGGACCTCAGTGTGGCAGGGGATCAAGAGTCTAAGCCCTCTCCCAATGCG 180  
QY 2308 AAGAGGAGACCAACGCTTACCAATCCAGCCCTTGAATTCCTGCTCTCCATAA 2367  
DB 181 AAGAGGAGACCAACGCTTACCAATCCAGCCCTTGAATTCCTGCTCTCCATAA 240  
QY 2368 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGGAGAGGAGAAAGGAGTGGGT 2427  
DB 241 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGGAGAGGAGAAAGGAGTGGGT 300

QY 2428 GGGAGGACCCCTCCAGTGTCTCACTGTTCCAGCTACAGTGGGGTGGAAAGGC 2487  
DB 301 GGGAGGACCCCTCCAGTGTCTCACTGTTCCAGCTACAGTGGGGTGGAAAGGC 360  
QY 2488 TTTATCAGGTATCATCAAGGTTCTCAATTAAGATTGATTATTCAGTATGTAAA 2547  
DB 361 TTTATCAGGTATCATCAAGGTTCTCAATTAAGATTGATTATTCAGTATGTAAA 420  
QY 2548 A 2548  
DB 421 A 421

RESULT 54  
US-09-717-350-4632  
Sequence 4632, Application US/09717350  
GENERAL INFORMATION:  
APPLICANT: Gearing, David P.  
APPLICANT: Villevet, Jean-Luc  
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
FILE REFERENCE: 1600, 2034-001  
CURRENT FILING DATE: 2000-11-21  
PRIOR APPLICATION NUMBER: US/09/717, 350  
PRIOR FILING DATE: 1999-11-24  
NUMBER OF SEQ ID NOS: 5955  
SOFTWARE: FaSeq for Windows Version 4.0  
SEQ ID NO 4632  
LENGTH: 1430  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-717-350-4632

Query Match 16.4%; Score 421; DB 28; Length 1430;  
Best Local Similarity 100.0%; Pred. No. 5.1e-60;  
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2128 AGCTTACCTCTCAGATCTCTATTTCATTTTGTGGCTTACCTCCAGACACTGGCT 2187  
DB 1 AGCTTACCTCTCAGATCTCTATTTCATTTTGTGGCTTACCTCCAGACACTGGCT 60  
QY 2188 TGCATCTTGTGGCCGAAATTAACCTCTTAAGTCTAGCACTGCAAGAGC 2247  
DB 61 TGCATCTTGTGGCCGAAATTAACCTCTTAAGTCTAGCACTGCAAGAGC 120  
QY 2248 CAGGACCTCAGTGTGGCAGGGGATCAAGAGTCTAAGCCCTCTCCCAATGCG 2307  
DB 121 CAGGACCTCAGTGTGGCAGGGGATCAAGAGTCTAAGCCCTCTCCCAATGCG 180  
QY 2308 AAGAGGAGACCAACGCTTACCAATCCAGCCCTTGAATTCCTGCTCTCCATAA 2367  
DB 181 AAGAGGAGACCAACGCTTACCAATCCAGCCCTTGAATTCCTGCTCTCCATAA 240  
QY 2368 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGGAGAGGAGAAAGGAGTGGGT 2427  
DB 241 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGGAGAGGAGAAAGGAGTGGGT 300  
QY 2428 GGGAGGACCCCTCCAGTGTCTCACTGTTCCAGCTACAGTGGGGTGGAAAGGC 2487  
DB 301 GGGAGGACCCCTCCAGTGTCTCACTGTTCCAGCTACAGTGGGGTGGAAAGGC 360  
QY 2488 TTTATCAGGTATCATCAAGGTTCTCAATTAAGATTGATTATTCAGTATGTAAA 2547  
DB 361 TTTATCAGGTATCATCAAGGTTCTCAATTAAGATTGATTATTCAGTATGTAAA 420  
QY 2548 A 2548  
DB 421 A 421

```

RESULT 55
US-09-721-588-5028
; Sequence 5028, Application US/09721588
; GENERAL INFORMATION:
; APPLICANT: Geating, David P.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Villevial, Jean-Luc
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.2046-001
; CURRENT APPLICATION NUMBER: US/09/721,588
; CURRENT FILING DATE: 2000-11-22
; PRIOR APPLICATION NUMBER: 60/167,381
; PRIOR FILING DATE: 1999-11-24
; NUMBER OF SEQ ID NOS: 5410
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5028
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-721-588-5028

Query Match
Best Local Similarity 100.0%; Score 421; DB 29; Length 1430;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2128 AGCTAGCTCTGAGATCTCTATTCTTTGCTTACCTTCCCTGACACTGAGCT 2187
Db 1 AGCTAGCTCTGAGATCTCTATTCTTTGCTTACCTTCCCTGACACTGAGCT 60
Qy 2188 TGGCATCTTGTGGCGGAATTAATAACACTCTTAAGCTAGCACTGAGAGC 2247
Db 61 TGGCATCTTGTGGCGGAATTAATAACACTCTTAAGCTAGCACTGAGAGC 120
Qy 2248 CAGGACCTCAGTCTGGGCGAGGCGATCAGAGGCTCTTAAGCTCTCTCCATATGCC 2307
Db 121 CAGGACCTCAGTCTGGGCGAGGCGATCAGAGGCTCTTAAGCTCTCTCCATATGCC 180
Qy 2308 AAGACGAGAGACACAGGCTCAGCAAAATCAGAGCTTATTCCTGCTGCTCATATA 2367
Db 181 AAGACGAGAGACACAGGCTCAGCAAAATCAGAGCTTATTCCTGCTGCTCATATA 240
Qy 2368 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGAGAGAGAAAGAGGATGGGGT 2427
Db 241 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGAGAGAGAAAGAGGATGGGGT 300
Qy 2428 GGGAGGACACCCCTCAGTCTCTCTGTTCCCAAGCTACAGGTGGGCTGGAAGGC 2487
Db 301 GGGAGGACACCCCTCAGTCTCTCTGTTCCCAAGCTACAGGTGGGCTGGAAGGC 360
Qy 2488 TTTATCAGGTATCATCAACAGGTTCTCAATTAAAGATTGATTATTCAGTATGTAAA 2547
Db 361 TTTATCAGGTATCATCAACAGGTTCTCAATTAAAGATTGATTATTCAGTATGTAAA 420
Qy 2548 A 2548
Db 421 A 421

RESULT 56
US-09-726-788-7475
; Sequence 7475, Application US/09726788
; GENERAL INFORMATION:
; APPLICANT: Geating, David P.
; APPLICANT: Kingsbury, Gillian A.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.2051-001
; CURRENT APPLICATION NUMBER: US/09/726,788
; CURRENT FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/168,131
; PRIOR FILING DATE: 1999-11-30
; NUMBER OF SEQ ID NOS: 7691

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7475
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-726-788-7475

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Query Match
Best Local Similarity 100.0%; Score 421; DB 29; Length 1430;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 2128 AGCTAGCTCTGAGATCTCTATTCTTTGCTTACCTTCCCTGACACTGAGCT 2187
Db 1 AGCTAGCTCTGAGATCTCTATTCTTTGCTTACCTTCCCTGACACTGAGCT 60
Qy 2188 TGGCATCTTGTGGCGGAATTAATAACACTCTTAAGCTAGCACTGAGAGC 2247
Db 61 TGGCATCTTGTGGCGGAATTAATAACACTCTTAAGCTAGCACTGAGAGC 120
Qy 2248 CAGGACCTCAGTCTGGGCGAGGCGATCAGAGGCTCTTAAGCTCTCTCCATATGCC 2307
Db 121 CAGGACCTCAGTCTGGGCGAGGCGATCAGAGGCTCTTAAGCTCTCTCCATATGCC 180
Qy 2308 AAGACGAGAGACACAGGCTCAGCAAAATCAGAGCTTATTCCTGCTGCTCATATA 2367
Db 181 AAGACGAGAGACACAGGCTCAGCAAAATCAGAGCTTATTCCTGCTGCTCATATA 240
Qy 2368 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGAGAGAGAAAGAGGATGGGGT 2427
Db 241 CAGAAAGAGTCTGCTGATCCGCTAAGGATCAGAGAGAGAAAGAGGATGGGGT 300
Qy 2428 GGGAGGACACCCCTCAGTCTCTCTGTTCCCAAGCTACAGGTGGGCTGGAAGGC 2487
Db 301 GGGAGGACACCCCTCAGTCTCTCTGTTCCCAAGCTACAGGTGGGCTGGAAGGC 360
Qy 2488 TTTATCAGGTATCATCAACAGGTTCTCAATTAAAGATTGATTATTCAGTATGTAAA 2547
Db 361 TTTATCAGGTATCATCAACAGGTTCTCAATTAAAGATTGATTATTCAGTATGTAAA 420
Qy 2548 A 2548
Db 421 A 421

```

```

RESULT 57
US-09-726-804-2161
; Sequence 2161, Application US/09726804
; GENERAL INFORMATION:
; APPLICANT: Gutierrez-Ramos, Jose-Carlos
; APPLICANT: Weich, Nadine S.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.2024-001
; CURRENT APPLICATION NUMBER: US/09/726,804
; CURRENT FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: 60/168,011
; PRIOR FILING DATE: 1999-11-30
; NUMBER OF SEQ ID NOS: 2217
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2161
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-726-804-2161

```

```

Query Match
Best Local Similarity 100.0%; Score 421; DB 29; Length 1430;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2128 AGCTAGCTCTGAGATCTCTATTCTTTGCTTACCTTCCCTGACACTGAGCT 2187
Db 1 AGCTAGCTCTGAGATCTCTATTCTTTGCTTACCTTCCCTGACACTGAGCT 60

```

QY 2188 TCCCATCTTGTGGCCGAATTAACCTCTTAAGCTAGACACTGAGTAGGC 2247  
DB 61 TCCCATCTTGTGGCCGAATTAACCTCTTAAGCTAGACACTGAGTAGGC 120  
QY 2248 CAGGACCTCTAGTGTGGCAGGGGCAACAGAGGCTAGAGCCCTCTCCCAATAGC 2307  
DB 121 CAGGACCTCTAGTGTGGCAGGGGCAACAGAGGCTAGAGCCCTCTCCCAATAGC 180  
QY 2308 AAGACGAGACACAGCCTTAACCAATCCAGCCCTTGAATTTCCCTGCTCCATAA 2367  
DB 181 AAGACGAGACACAGCCTTAACCAATCCAGCCCTTGAATTTCCCTGCTCCATAA 240  
QY 2368 CAGAAAGAGTCTGTGATCCGCTAAGGATCAGGAGAGAAAGAGGATGGGT 2427  
DB 241 CAGAAAGAGTCTGTGATCCGCTAAGGATCAGGAGAGAAAGAGGATGGGT 300  
QY 2428 GGGAGGACCCCTCCAGTGTCTCTTACTGTTCCAGCTACAGTGGGAGAAAGGC 2487  
DB 301 GGGAGGACCCCTCCAGTGTCTCTTACTGTTCCAGCTACAGTGGGAGAAAGGC 360  
QY 2488 TTTATCAGGTATCATCAACAGTCTCAATTAAAGTTTATTCAGATATGAAA 2547  
DB 361 TTTATCAGGTATCATCAACAGTCTCAATTAAAGTTTATTCAGATATGAAA 420  
QY 2548 A 2548  
DB 421 A 421

## RESULT 58

US-09-726-806-6058  
; Sequence 6058, Application US/09726806  
; GENERAL INFORMATION:  
; APPLICANT: Galvin, Katherine  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
; FILE REFERENCE: 1600.2028-001  
; CURRENT APPLICATION NUMBER: US/09/726,806  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: 60/168,135  
; NUMBER OF SEQ ID NOS: 6283  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6058  
; LENGTH: 1430  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-726-806-6058

## Query Match

Best Local Similarity 16.4%; Score 421; DB 29; Length 1430;  
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2128 AGCTAGCTCTAGATCTTATTTCAATTTTGTGCTTACATTCCTTACACACTGGCT 2187  
DB 1 AGCTAGCTCTAGATCTTATTTCAATTTTGTGCTTACATTCCTTACACACTGGCT 60  
QY 2188 TGGCATCTTGTGGCCGAATTAACCTCTTAAGTGTAGACACTGAGTAGGC 2247  
DB 61 TGGCATCTTGTGGCCGAATTAACCTCTTAAGTGTAGACACTGAGTAGGC 120  
QY 2248 CAGGACCTCTAGTGTGGCAGGGGATCAGAGGATGCTTAAGCTCTCTCCCAATAGC 2307  
DB 121 CAGGACCTCTAGTGTGGCAGGGGATCAGAGGATGCTTAAGCTCTCTCCCAATAGC 180  
QY 2308 AAGACGAGACACAGCCTTAACCAATCCAGCCCTTGAATTTCCCTGCTCCATAA 2367  
DB 181 AAGACGAGACACAGCCTTAACCAATCCAGCCCTTGAATTTCCCTGCTCCATAA 240  
QY 2368 CAGAAAGAGTCTGTGATCCGCTAAGGATCAGGAGAGAAAGAGGATGGGT 2427  
DB 241 CAGAAAGAGTCTGTGATCCGCTAAGGATCAGGAGAGAAAGAGGATGGGT 300

QY 2428 GGGAGGACCCCTCCAGTGTCTCTTACTGTTCCAGCTACAGTGGGAGAAAGGC 2487  
DB 301 GGGAGGACCCCTCCAGTGTCTCTTACTGTTCCAGCTACAGTGGGAGAAAGGC 360  
QY 2488 TTTATCAGGTATCATCAACAGTCTCAATTAAAGTTTATTCAGATATGAAA 2547  
DB 361 TTTATCAGGTATCATCAACAGTCTCAATTAAAGTTTATTCAGATATGAAA 420  
QY 2548 A 2548  
DB 421 A 421

## RESULT 59

US-09-726-807-2899  
; Sequence 2899, Application US/09726807  
; GENERAL INFORMATION:  
; APPLICANT: Gearling, David P.  
; APPLICANT: Holzman, Douglas A.  
; APPLICANT: Kingsbury, Gillian A.  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES  
; FILE REFERENCE: 1600.2053-001  
; CURRENT APPLICATION NUMBER: US/09/726,807  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: 60/168,040  
; NUMBER OF SEQ ID NOS: 4076  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2899  
; LENGTH: 1430  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-726-807-2899

## Query Match

Best Local Similarity 16.4%; Score 421; DB 29; Length 1430;  
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2128 AGCTAGCTCTAGATCTTATTTCAATTTTGTGCTTACATTCCTTACACACTGGCT 2187  
DB 1 AGCTAGCTCTAGATCTTATTTCAATTTTGTGCTTACATTCCTTACACACTGGCT 60  
QY 2188 TGGCATCTTGTGGCCGAATTAACCTCTTAAGTGTAGACACTGAGTAGGC 2247  
DB 61 TGGCATCTTGTGGCCGAATTAACCTCTTAAGTGTAGACACTGAGTAGGC 120  
QY 2248 CAGGACCTCTAGTGTGGCAGGGGATCAGAGGATGCTTAAGCTCTCTCCCAATAGC 2307  
DB 121 CAGGACCTCTAGTGTGGCAGGGGATCAGAGGATGCTTAAGCTCTCTCCCAATAGC 180  
QY 2308 AAGACGAGACACAGCCTTAACCAATCCAGCCCTTGAATTTCCCTGCTCCATAA 2367  
DB 181 AAGACGAGACACAGCCTTAACCAATCCAGCCCTTGAATTTCCCTGCTCCATAA 240  
QY 2368 CAGAAAGAGTCTGTGATCCGCTAAGGATCAGGAGAGAAAGAGGATGGGT 2427  
DB 241 CAGAAAGAGTCTGTGATCCGCTAAGGATCAGGAGAGAAAGAGGATGGGT 300  
QY 2428 GGGAGGACCCCTCCAGTGTCTCTTACTGTTCCAGCTACAGTGGGAGAAAGGC 2487  
DB 301 GGGAGGACCCCTCCAGTGTCTCTTACTGTTCCAGCTACAGTGGGAGAAAGGC 360  
QY 2488 TTTATCAGGTATCATCAACAGTCTCAATTAAAGTTTATTCAGATATGAAA 2547  
DB 361 TTTATCAGGTATCATCAACAGTCTCAATTAAAGTTTATTCAGATATGAAA 420  
QY 2548 A 2548  
DB 421 A 421

## RESULT 60

```

US-09-726-811-4086
; Sequence 4086, Application US/09726811
; GENERAL INFORMATION:
; APPLICANT: Gutierrez-Ramos, Jose-Carlos
; APPLICANT: Welch, Nadine S.
; APPLICANT: Wen, Dany
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600, 2027-001
; CURRENT APPLICATION NUMBER: US/09/726,811
; PRIOR FILING DATE: 1999-11-30
; NUMBER OF SEQ ID NOS: 5515
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4086
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-726-811-4086

Query Match
Best Local Similarity 100.0%; Score 421; DB 29; Length 1430;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2128 AGCTAGCTCTCAGATCTCTATTTTCTTGGCTTACATTCCTCAGACACTGGCCT 2187
Db 1 AGCTAGCTCTCAGATCTCTATTTTCTTGGCTTACATTCCTCAGACACTGGCCT 60
Qy 2188 TCCCATCTTGTGGCCGAATTAATAACCTCTTAAGTCTACAGACACTGGAGGC 2247
Db 61 TCCCATCTTGTGGCCGAATTAATAACCTCTTAAGTCTACAGACACTGGAGGC 120
Qy 2248 CAGGACCTCAGTGTGGCCAGGGGATCAGAAAGTCTAAGCCTCTCTCCAAATGCC 2307
Db 121 CAGGACCTCAGTGTGGCCAGGGGATCAGAAAGTCTAAGCCTCTCTCCAAATGCC 180
Qy 2308 AAGACGAGACCAACAGCTTACCAAAATCCAGCCTTGAATTCCTGTGCTCCATATA 2367
Db 181 AAGACGAGACCAACAGCTTACCAAAATCCAGCCTTGAATTCCTGTGCTCCATATA 240
Qy 2368 CAGAAAGAGTCTGTGGATCCGCTAAGGATCAGGAGAGAGAAAGAGATGGGT 2427
Db 241 CAGAAAGAGTCTGTGGATCCGCTAAGGATCAGGAGAGAGAAAGAGATGGGT 300
Qy 2428 GGGAGGACCCCTCCAGTGTCTTCAAGTCTTCCAGCTACAGGTGGGAGAAAGGC 2487
Db 301 GGGAGGACCCCTCCAGTGTCTTCAAGTCTTCCAGCTACAGGTGGGAGAAAGGC 360
Qy 2488 TTATCAGGTATCATCAACAGTCTCAATTAAAGATTTTATCAAGTATGAAA 2547
Db 361 TTATCAGGTATCATCAACAGTCTCAATTAAAGATTTTATCAAGTATGAAA 420
Qy 2548 A 2548
Db 421 A 421

RESULT 61
US-09-736-119-1559
; Sequence 1559, Application US/09736119
; GENERAL INFORMATION:
; APPLICANT: Gearing, David P.
; APPLICANT: Villevall, Jean-Luc M.G.
; APPLICANT: Frazer, Christopher C.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600, 2047-001
; CURRENT APPLICATION NUMBER: US/09/736,119
; PRIOR FILING DATE: 1999-12-13
; NUMBER OF SEQ ID NOS: 60/170,468
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1559
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-736-119-1559

```

```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1559
; LENGTH: 1430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-736-119-1559

```

```
Query Match
Best Local Similarity 100.0%; Score 421; DB 29; Length 1430;
Matches 421; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 2128 AGCTAGCTCTCAGATCTCTATTTTCTTGGCTTACATTCCTCAGACACTGGCCT 2187
Db 1 AGCTAGCTCTCAGATCTCTATTTTCTTGGCTTACATTCCTCAGACACTGGCCT 60
Qy 2188 TCCCATCTTGTGGCCGAATTAATAACCTCTTAAGTCTACAGACACTGGAGGC 2247
Db 61 TCCCATCTTGTGGCCGAATTAATAACCTCTTAAGTCTACAGACACTGGAGGC 120
Qy 2248 CAGGACCTCAGTGTGGCCAGGGGATCAGAAAGTCTAAGCCTCTCTCCAAATGCC 2307
Db 121 CAGGACCTCAGTGTGGCCAGGGGATCAGAAAGTCTAAGCCTCTCTCCAAATGCC 180
Qy 2308 AAGACGAGACCAACAGCTTACCAAAATCCAGCCTTGAATTCCTGTGCTCCATATA 2367
Db 181 AAGACGAGACCAACAGCTTACCAAAATCCAGCCTTGAATTCCTGTGCTCCATATA 240
Qy 2368 CAGAAAGAGTCTGTGGATCCGCTAAGGATCAGGAGAGAGAAAGAGATGGGT 2427
Db 301 GGGAGGACCCCTCCAGTGTCTTCAAGTCTTCCAGCTACAGGTGGGAGAAAGGC 360
Qy 2428 GGGAGGACCCCTCCAGTGTCTTCAAGTCTTCCAGCTACAGGTGGGAGAAAGGC 2487
Db 301 GGGAGGACCCCTCCAGTGTCTTCAAGTCTTCCAGCTACAGGTGGGAGAAAGGC 360
Qy 2488 TTATCAGGTATCATCAACAGTCTCAATTAAAGATTTTATCAAGTATGAAA 2547
Db 361 TTATCAGGTATCATCAACAGTCTCAATTAAAGATTTTATCAAGTATGAAA 420
Qy 2548 A 2548
Db 421 A 421

```

```

RESULT 62
US-60-172-373-12816
; Sequence 12816, Application US/60172373
; GENERAL INFORMATION:
; APPLICANT: Morris, MacDonald
; APPLICANT: Lal, Preeti
; APPLICANT: Diep, Dinh
; TITLE OF INVENTION: Method for the identification of sequence polymorphisms Using
; FILE REFERENCE: GX-0006 P
; CURRENT APPLICATION NUMBER: US/60/172,373
; PRIOR FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 25,772
; SOFTWARE: PERL Program
; SEQ ID NO 12816
; LENGTH: 1495
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No: 206072.5c
US-60-172-373-12816

```

```
Query Match
Best Local Similarity 100.0%; Score 417; DB 61; Length 1495;
Matches 417; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 2132 TACCTCAGATCTCTATTTTCTTGGCTTACATTCCTCAGACACTGGCCTGCC 2191
Db 2132 TACCTCAGATCTCTATTTTCTTGGCTTACATTCCTCAGACACTGGCCTGCC 2191
```

```
Db 1 TAGCTTCAGATCTCTATTTCATTTTGGCTTACCATTCCTTACGACACTGCTTGGC 60
Qy 2192 ATCTTGCGCGGATTAATAAATAACACTCTTTAAGTCTAGACACTGAGTGAAGCCAG 2251
Db 61 ATCTTGCGCGGATTAATAAATAACACTCTTTAAGTCTAGACACTGAGTGAAGCCAG 120
Qy 2252 CACCTCACTGCTGGGAGGGGAGTCAAGAGTCTTAAGCCCTCTCTCAATGAGCCAGA 2311
Db 121 CACCTCACTGCTGGGAGGGGAGTCAAGAGTCTTAAGCCCTCTCTCAATGAGCCAGA 180
Qy 2312 GCGAGACCAAGGCTTACCAATTCAGCCCTTGAATTCCTGCTGCTCAATAACAGA 2371
Db 181 GCGAGACCAAGGCTTACCAATTCAGCCCTTGAATTCCTGCTGCTCAATAACAGA 240
Qy 2372 AAGAGTCTGCTGATCCGCTAAGGATTCAGGAGAGAGAGAGAGAGAGAGAGAGAG 2431
Db 241 AAGAGTCTGCTGATCCGCTAAGGATTCAGGAGAGAGAGAGAGAGAGAGAGAGAG 300
Qy 2432 GGCACCCCTCCAGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2491
Db 301 GGCACCCCTCCAGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 360
Qy 2492 TCAGGATTCATCAACAGGTTCTCAATTAAGATTGATTATTCAGATATGTGAAA 2548
Db 361 TCAGGATTCATCAACAGGTTCTCAATTAAGATTGATTATTCAGATATGTGAAA 417
```

## RESULT 63

```
US-09-271-490-10133
; Sequence 10133, Application US/09271490
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-767
; CURRENT APPLICATION NUMBER: US/09/271,490
; CURRENT FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 19424
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10133
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1) - (481)
; OTHER INFORMATION: n = A,T,C or G
US-09-271-490-10133
```

Query Match 16.0%; Score 411; DB 16; Length 481;  
Best Local Similarity 100.0%; Pred. No. 3.2e-58;

Matches 411; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy 729 GGAAGTCTGTTGTTACCTGGGAACCTGGAGGGGCTTCCATTCGGGAGAGCCAGAC 788
Db 71 GGAAGTCTGTTGTTACCTGGGAACCTGGAGGGGCTTCCATTCGGGAGAGCCAGAC 130
Qy 789 CAGAGAGGCTCTTACTCTCTGTCAGTCCGCTCAAGCCGCTGATCTTGGAGCCGAT 848
Db 131 CAGAGAGGCTCTTACTCTCTGTCAGTCCGCTCAAGCCGCTGATCTTGGAGCCGAT 190
Qy 849 CAGACACTACAGATCCACTGCTGATGAGATGAGTGGCTGTCATCTCAACCGGCTTAC 908
Db 191 CAGACACTACAGATCCACTGCTGATGAGATGAGTGGCTGTCATCTCAACCGGCTTAC 250
Qy 909 CTTCCCTCACTCCAGAGCCCTGGTGAACATTAAGTCTGAGTGGAGATCACTTCTG 968
Db 251 CTTCCCTCACTCCAGAGCCCTGGTGAACATTAAGTCTGAGTGGAGATCACTTCTG 310
Qy 969 CTTCCCTCACTCCAGAGCCCTGGTGAACATTAAGTCTGAGTGGAGATCACTTCTG 1028
Db 311 CTTCCCTCACTCCAGAGCCCTGGTGAACATTAAGTCTGAGTGGAGATCACTTCTG 370
```

```
Qy 1029 CTTACTGAGTCTGAGAGAGAGACACCACTCAATCGAAGAGAGTGAAGTCTCTCT 1088
Db 371 CTTACTGAGTCTGAGAGAGAGACACCACTCAATCGAAGAGAGTGAAGTCTCTCTCT 430
Qy 1089 GTTTTCTGAAGCTGCCACAGGGGAGAGAGTCTTCTTCAGTGAAGGCTCTCCG 1139
Db 431 GTTTTCTGAAGCTGCCACAGGGGAGAGAGTCTTCTTCAGTGAAGGCTCTCCG 481
```

## RESULT 64

```
US-09-925-552-10133
; Sequence 10133, Application US/09925552
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-767
; CURRENT APPLICATION NUMBER: US/09/925,552
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/271,490
; NUMBER OF SEQ ID NOS: 19424
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10133
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1) - (481)
; OTHER INFORMATION: n = A,T,C or G
US-09-925-552-10133
```

Query Match 16.0%; Score 411; DB 34; Length 481;  
Best Local Similarity 100.0%; Pred. No. 3.2e-58;  
Matches 411; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy 729 GGAAGTCTGTTGTTACCTGGGAACCTGGAGGGGCTTCCATTCGGGAGAGCCAGAC 788
Db 71 GGAAGTCTGTTGTTACCTGGGAACCTGGAGGGGCTTCCATTCGGGAGAGCCAGAC 130
Qy 789 CAGAGAGGCTCTTACTCTCTGTCAGTCCGCTCAAGCCGCTGATCTTGGAGCCGAT 848
Db 131 CAGAGAGGCTCTTACTCTCTGTCAGTCCGCTCAAGCCGCTGATCTTGGAGCCGAT 190
Qy 849 CAGACACTACAGATCCACTGCTGATGAGATGAGTGGCTGTCATCTCAACCGGCTTAC 908
Db 191 CAGACACTACAGATCCACTGCTGATGAGATGAGTGGCTGTCATCTCAACCGGCTTAC 250
Qy 909 CTTCCCTCACTCCAGAGCCCTGGTGAACATTAAGTCTGAGTGGAGATCACTTCTG 968
Db 251 CTTCCCTCACTCCAGAGCCCTGGTGAACATTAAGTCTGAGTGGAGATCACTTCTG 310
Qy 969 CTTACTCAAGAGCCCTGTCGTCAGAGAGGCTGCGCTCCCTGGCAAGGATTAAC 1028
Db 311 CTTACTCAAGAGCCCTGTCGTCAGAGAGGCTGCGCTCCCTGGCAAGGATTAAC 370
Qy 1029 CTTACTGTCAGTCTGTCAGAGAGACCACTCAACTGAAAGAGTGAACGCTTCTCT 1088
Db 371 CTTACTGTCAGTCTGTCAGAGAGACCACTCAACTGAAAGAGTGAACGCTTCTCT 430
Qy 1089 GTTTTCTGAAGCTGCCACAGGGGAGAGAGTCTTCTTCAGTGAAGGCTCTCCG 1139
Db 431 GTTTTCTGAAGCTGCCACAGGGGAGAGAGTCTTCTTCAGTGAAGGCTCTCCG 481
```

## RESULT 65

```
US-10-032-354-10133
; Sequence 10133, Application US/10032354
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FROM VARIOUS cDNA LIBRARIES
```



```

; FILE REFERENCE: 20411-767
; CURRENT APPLICATION NUMBER: US/10/032.354
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/271,490
; PRIOR FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 19424
; SOFTWARE: PasteBio for Windows Version 3.0
; SEQ ID NO 10133
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(481)
; OTHER INFORMATION: n = A,T,C or G
; US-10-032-354-10133

Query Match          16.0%; Score 411; DB 38; Length 481;
Best Local Similarity 100.0%; Pred. No. 3,2e-58;
Matches 411; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 729 GGAACGTGCTGTGTTACCTGAGGAACTCTGAGAGGAGCTTCTCATCCGGAGAGCAAGAC 788
DB 71 GAACTCTGTTTCTTACCTGAGAACCTGAGAGGAGCTTCTCATCCGGAGAGCAAGAC 130
QY 789 CAGAGAGGCTTTACTCTCTGTGATGTCGCCCTTCACTGAGCCCTGATCTGGAGCCGAT 848
DB 131 CAGAGAGGCTTTACTCTCTGTGATGTCGCCCTTCACTGAGCCCTGATCTGGAGCCGAT 190
QY 849 CAGACATACAGGATCACTGCTTGAATGCTGCTGATCATCTCAACCGGCTCTAC 908
DB 191 CAGACATACAGGATCACTGCTTGAATGCTGCTGATCATCTCAACCGGCTCTAC 250
QY 909 CTTCCTCTCACTCCAGGCTCTGTGTGACATTACTGTAGCTGGCGGATATATCTGCTG 968
DB 251 CTTCCTCTCACTCCAGGCTCTGTGTGACATTACTGTAGCTGGCGGATATATCTGCTG 310
QY 969 CTAATCAAGAGCCCTGTGTCTGTCAGAGGAGCTGACCCGCTCTCTGCAAGATATAC 1028
DB 311 CTAATCAAGAGCCCTGTGTCTGTCAGAGGAGCTGACCCGCTCTCTGCAAGATATAC 370
QY 1029 CTAATCTGTGATCTGTGACAGAGACCACTCACTGAAAGAGCTGACAGCTCCCTCT 1088
DB 371 CTAATCTGTGATCTGTGACAGAGACCACTCACTGAAAGAGCTGACAGCTCCCTCT 430
QY 1089 GTTTCTGAGCTGACCAAGGAGAGATCTTCTCACTGAGGCTCTCCG 1139
DB 431 GTTTCTGAGCTGACCAAGGAGAGATCTTCTCACTGAGGCTCTCCG 481

RESULT 66
PCT-US01-08631-10552
; Sequence 10552, Application PC/TUS0108631
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 10552
; LENGTH: 603
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (61)-(600)
; OTHER INFORMATION: 82% homologous to Homo sapiens d0977B1.1 (novel protein

```

```

; OTHER INFORMATION: tyrosine kinase with Src homology domain 2 domains), accession
; OTHER INFORMATION: number AL050318, Smith-Waterman Score=725.
PCT-US01-08631-10552

Query Match          15.8%; Score 405; DB 1; Length 603;
Best Local Similarity 100.0%; Pred. No. 2,8e-57;
Matches 405; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 796 GGCCTTACTCTCTGTGATGTCAGGCTGAGCCGCTGAGCCGCTCATCTGAGAGCGGATCAGAC 855
DB 199 GGCCTTACTCTCTGTGATGTCAGGCTGAGCCGCTGAGCCGCTCATCTGAGAGCGGATCAGAC 258
QY 856 TACAGATCACTGCTCTTGAACAATGCTGCTGATATCAACCGGCTCACTTCC 915
DB 259 TACAGATCACTGCTCTTGAACAATGCTGCTGATATCAACCGGCTCACTTCC 318
QY 916 TCACTCCAGGCTGCTGTGACCAATTACTGAGCTGCGGATGATCATCTGCTACTC 975
DB 319 TCACTCCAGGCTGCTGTGACCAATTACTGAGCTGCGGATGATCATCTGCTACTC 378
QY 976 AAGAGCCCTGTGTCTGTGACAGAGGCTGAGCCGCTCTCTGCAAGATATACCCCTACT 1035
DB 379 AAGAGCCCTGTGTCTGTGACAGAGGCTGAGCCGCTCTCTGCAAGATATACCCCTACT 438
QY 1036 GTGACTGTGACAGAGACCACTCACTGAAAGAGCTGACAGCTCCCTCTGTTTCT 1095
DB 439 GTGACTGTGACAGAGACCACTCACTGAAAGAGCTGACAGCTCCCTCTGTTTCT 498
QY 1096 GAGCTGCTCAAGGAGAGATCTTTCTCAATAGAGGTCTCCGGAGCTCTAGGCTC 1155
DB 499 GAGCTGCTCAAGGAGAGATCTTTCTCAATAGAGGTCTCCGGAGCTCTAGGCTC 558
QY 1156 TACATCAGCTGATATGACGAGGCTGTCTTGTGATGATGCTAG 1200
DB 559 TACATCAGCTGATATGACGAGGCTGTCTTGTGATGATGCTAG 603

RESULT 67
US-09-758-450-410
; Sequence 410, Application US/09758450
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PM020
; CURRENT APPLICATION NUMBER: US/09/758,450
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 1010
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 410
; LENGTH: 622
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-758-450-410

Query Match          15.6%; Score 400; DB 29; Length 622;
Best Local Similarity 99.5%; Pred. No. 1,8e-56;
Matches 620; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1197 CTAGGCCCAAGAGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 1256
DB 1 CTAGGCCCAAGAGAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 60
QY 1257 GCCTCTGAGGACCCAGAGAGGCAAGGCTGTGCACTAGGAGAGGAGGAGGAGGAGGAGGAGGAG 1316
DB 61 GCCTCTGAGGACCCAGAGAGGCAAGGCTGTGCACTAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
QY 1317 GTGCACTTAGAGTCCCACTGTATCCCTTCTCTCTGAGCCCTTAGAAGTCAAC 1376
DB 121 GTGCACTTAGAGTCCCACTGTATCCCTTCTCTCTGAGCCCTTAGAAGTCAAC 180

```

QY 1377 TACTTCTTCAGTGCATGATCCACCTGCGACCTTATGTCGAGTGCAGAGAAAGTGG 1436  
DB 181 TACTTCTTCAGTGCATGATCCACCTGCGACCTTATGTCGAGTGCAGAGAAAGTGG 240  
QY 1437 GACCAGGGCCAGGGGTTCCAAAAGAGAAATAGAGTCTCGGGGGGTCGACCTTAGTATT 1496  
DB 241 GACCAGGGCCAGGGGTTCCAAAAGAGAAATAGAGTCTCGGGGGGTCGACCTTAGTATT 300  
QY 1497 CTGAGTTGGGGTTCCAGTACATCTGATGCTGCTGTTGAGCCCATTTACAT 1556  
DB 301 CTGAGTTGGGGTTCCAGTACATCTGATGCTGCTGTTGAGCCCATTTACAT 359  
QY 1557 CCCACCATTTAACAGAGCCGCCACACAGTATGAGAAACAACCTTAGTATCAAGAGAA 1616  
DB 360 CCCACCATTTAACAGAGCCGCCACACAGTATGAGAAACAACCTTAGTATCAAGAGAA 419  
QY 1617 GTCATTTTCAGAAAATCTACAGTCTGTTGAGACCAACCATTTACAGAGTATGA 1676  
DB 420 GTCATTTTCAGAAAATCTACAGTCTGTTGAGACCAACCATTTACAGAGTATGA 479  
QY 1677 CTGTGCTTAAAGAGGAAAGAAAGCTGATGATGTTACCTTAGAGAGAGATCTTG 1736  
DB 480 CTGTGCTTAAAGAGGAAAGAAAGCTGATGATGTTACCTTAGAGAGAGATCTTG 539  
QY 1737 ATGCTCAGGCTCTTATGATCTTCAAGCAAGAGAAAGAAAGCTTGGAGCTTGG 1796  
DB 540 ATGCTCAGGCTCTTATGATCTTCAAGCAAGAGAAAGAAAGCTTGGAGCTTGG 599  
QY 1797 TCAAAATGTCCCCCATTTAGAGACA 1819  
DB 600 TCAAAATGTCCCCCATTTAGAGACA 622

## RESULT 68

US-10-227-582-410  
Sequence 410, Application US/10227582  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
FILE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
TITLE OF INVENTION: PMO20CIN  
CURRENT APPLICATION NUMBER: US/10/227,582  
PRIOR FILING DATE: 2002-08-26  
PRIOR APPLICATION NUMBER: 09/758,450  
PRIOR FILING DATE: 2001-01-11  
PRIOR APPLICATION NUMBER: 60/179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
PRIOR FILING DATE: 2000-02-04  
NUMBER OF SEQ ID NOS: 1010  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 410  
LENGTH: 622  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-227-582-410

## Query Match

Best Local Similarity 99.5%; Pred. No. 1.8e-56;  
Matches 620; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1197 CTAGGCCCAAGAGAGGCAAGGCTGCACTAGGAAACCCCAATTC 1256  
DB 1 CTAGGCCCAAGAGAGGCAAGGCTGCACTAGGAAACCCCAATTC 60  
QY 1257 GCTCTCTGGGCAAGGCAAGGCTGCACTAGGAAAGGAGTGGGCAAGAG 1316  
DB 61 GCTCTCTGGGCAAGGCAAGGCTGCACTAGGAAAGGAGTGGGCAAGAG 120  
QY 1317 GTGCACTTAAAGGCTGCACTAGGCTTCTTCTCTTAAAGGCTTAAAGTCAAC 1376  
DB 121 GTGCACTTAAAGGCTGCACTAGGCTTCTTCTCTTAAAGGCTTAAAGTCAAC 180

QY 1377 TACTTCTTCAGTGCATGATCCACCTGCGACCTTATGTCGAGTGCAGAGAAAGTGG 1436  
DB 181 TACTTCTTCAGTGCATGATCCACCTGCGACCTTATGTCGAGTGCAGAGAAAGTGG 240  
QY 1437 GACCAGGGCCAGGGGTTCCAAAAGAGAAATAGAGTCTCGGGGGGTCGACCTTAGTATT 1496  
DB 241 GACCAGGGCCAGGGGTTCCAAAAGAGAAATAGAGTCTCGGGGGGTCGACCTTAGTATT 300  
QY 1497 CTGAGTTGGGGTTCCAGTACATCTGATGCTGCTGTTGAGCCCATTTACAT 1556  
DB 301 CTGAGTTGGGGTTCCAGTACATCTGATGCTGCTGTTGAGCCCATTTACAT 359  
QY 1557 CCCACCATTTAACAGAGCCGCCACACAGTATGAGAAACAACCTTAGTATCAAGAGAA 1616  
DB 360 CCCACCATTTAACAGAGCCGCCACACAGTATGAGAAACAACCTTAGTATCAAGAGAA 419  
QY 1617 GTCATTTTCAGAAAATCTACAGTCTGTTGAGACCAACCATTTACAGAGTATGA 1676  
DB 420 GTCATTTTCAGAAAATCTACAGTCTGTTGAGACCAACCATTTACAGAGTATGA 479  
QY 1677 CTGTGCTTAAAGAGGAAAGAAAGCTGATGATGTTACCTTAGAGAGAGATCTTG 1736  
DB 480 CTGTGCTTAAAGAGGAAAGAAAGCTGATGATGTTACCTTAGAGAGAGATCTTG 539  
QY 1737 ATGCTCAGGCTCTTATGATCTTCAAGCAAGAGAAAGAAAGCTTGGAGCTTGG 1796  
DB 540 ATGCTCAGGCTCTTATGATCTTCAAGCAAGAGAAAGAAAGCTTGGAGCTTGG 599  
QY 1797 TCAAAATGTCCCCCATTTAGAGACA 1819  
DB 600 TCAAAATGTCCCCCATTTAGAGACA 622

## RESULT 69

US-09-577-410-1259  
Sequence 1259, Application US/09577410  
GENERAL INFORMATION:  
APPLICANT: Guierrez-Ramos, Jose-Carlos  
APPLICANT: Hodge, Martin  
APPLICANT: Kingsbury, Gillian  
TITLE OF INVENTION: Nucleic Acid Molecules Derived from  
FILE OF INVENTION: Human T Helper cell, Bone Marrow, and CD34+ Libraries  
CURRENT APPLICATION NUMBER: US/09/577,410  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: US 60/135,632  
PRIOR FILING DATE: 1999-05-24  
PRIOR APPLICATION NUMBER: US 60/135,633  
PRIOR FILING DATE: 1999-05-24  
PRIOR APPLICATION NUMBER: US 60/135,616  
NUMBER OF SEQ ID NOS: 8991  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 1259  
LENGTH: 652  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-577-410-1259

## Query Match

Best Local Similarity 100.0%; Pred. No. 2.3e-54;  
Matches 387; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 996 GAGGAGCTGCGGCTCTCTGCAAGATATACCTTGTAGCTGTGACAGAGACACC 1055  
DB 140 GAGGAGCTGCGGCTCTCTGCAAGATATACCTTGTAGCTGTGACAGAGACACC 199  
QY 1056 ACTCACTGAAAGAGCTGAGACAGCTCCTCTGTTCTGAAAGCTGCAAGGGGAGGA 1115  
DB 200 ACTCACTGAAAGAGCTGAGACAGCTCCTCTGTTCTGAAAGCTGCAAGGGGAGGA 259  
QY 1116 GTCTCTTCTGAGTGAAGGTCTCGGGAGTCTCTAGCTTACATCAGCTGAATGACGA 1175



US-09-943-143-23388

14.7%; Score 377; DB 35; Length 377;

Query Match Best Local Similarity 100.0%; Pred. No. 1.2e-52;

Matches 377; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1444 GCCAGGTTCCAAAAGAAATACCTCTCGGGGGTCTGACCTAGTTAGTTTGAAT 1503  
 DB 1 GCCAGGTTCCAAAAGAAATACCTCTCGGGGGTCTGACCTAGTTAGTTTGAAT 60  
 QY 1504 TTGGGGTTTCAGTACATCTGATGACCTCTGTTGAGCCCATTTCAATCCCAAC 1563  
 DB 61 TTGGGGTTTCAGTACATCTGATGACCTCTGTTGAGCCCATTTCAATCCCAAC 120  
 QY 1564 ATTACACAGGCCCCACCAAGTAAAGAACCCCTAGTCAAGCAAGAAATCATTT 1623  
 DB 121 ATTACACAGGCCCCACCAAGTAAAGAACCCCTAGTCAAGCAAGAAATCATTT 180  
 QY 1624 TCAGAAATCTACAAGTCTGTTGAGACCAACACATACCTGAGAGTAGACTGAC 1683  
 DB 181 TCAGAAATCTACAAGTCTGTTGAGACCAACACATACCTGAGAGTAGACTGAC 240  
 QY 1684 CTAGAAGGAAAGAAAGCTGAGATGATCTTACCTGACGAGATTTGATGATGCC 1743  
 DB 241 CTAGAAGGAAAGAAAGCTGAGATGATCTTACCTGACGAGATTTGATGATGCC 300  
 QY 1744 AGCTCTATGTGACCTCCAGAGCAAGAAAGACTTCCGACAGTCTAGTCTCAATG 1803  
 DB 301 AGCTCTATGTGACCTCCAGAGCAAGAAAGACTTCCGACAGTCTAGTCTCAATG 360  
 QY 1804 TCCCCCATTTGAGCA 1820  
 DB 361 TCCCCCATTTGAGCA 377

RESULT 73

US-09-277-227-16213

Sequence 16213, Application US/09277227

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc.

TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED

FILE REFERENCE: 20411-766

CURRENT APPLICATION NUMBER: US/09/277,227

CURRENT FILING DATE: 1999-03-25

NUMBER OF SEQ ID NOS: 23680

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 16213

LENGTH: 731

TYPE: DNA

ORGANISM: Homo sapiens

US-09-277-227-16213

Query Match Best Local Similarity 14.5%; Score 372; DB 16; Length 731;

Matches 472; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 475 CAAGGCCAGGACCTGTGACATGAGACAGAGAAAGCCACCGCTGCGCTCG 534  
 DB 13 CAAGGCCAGGACCTGTGACATGAGACAGAGAAAGCCACCGCTGCGCTCG 72  
 QY 535 GCGAGTTTCCGCGAGGTGCGCGCGAGCTGTGAGACTGGGGAGCAATTGACC 594  
 DB 73 GCGAGTTTCCGCGAGGTGCGCGCGAGCTGTGAGACTGGGGAGCAATTGACC 132  
 QY 595 ATCGTCTCTGAGATGAGACTGTGTGAGCGGTCTGTGAGTCTTCAAGCAGAGAT 654  
 DB 133 ATCGTCTCTGAGATGAGACTGTGTGAGCGGTCTGTGAGTCTTCAAGCAGAGAT 192  
 QY 655 AACATCCCGACGCTCAAGTGGCCAAAGTCTCCCATGGGTGCTGTATGAGGCTGAGC 714  
 DB 193 AACATCCCGACGCTCAAGTGGCCAAAGTCTCCCATGGGTGCTGTATGAGGCTGAGC 252

RESULT 74

US-09-909-627-16213

Sequence 16213, Application US/0909627

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc.

TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED

FILE REFERENCE: 20411-766

CURRENT APPLICATION NUMBER: US/09/909,627

CURRENT FILING DATE: 2001-07-19

PRIOR APPLICATION NUMBER: 09/277,227

PRIOR FILING DATE: 1999-03-23

NUMBER OF SEQ ID NOS: 23680

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 16213

LENGTH: 731

TYPE: DNA

ORGANISM: Homo sapiens

US-09-909-627-16213

Query Match Best Local Similarity 14.5%; Score 372; DB 34; Length 731;

Matches 472; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 475 CAAGGCCAGGACCTGTGACATGAGACAGAGAAAGCCACCGCTGCGCTCG 534  
 DB 13 CAAGGCCAGGACCTGTGACATGAGACAGAGAAAGCCACCGCTGCGCTCG 72  
 QY 535 GCGAGTTTCCGCGAGGTGCGCGCGAGCTGTGAGACTGGGGAGCAATTGACC 594  
 DB 73 GCGAGTTTCCGCGAGGTGCGCGCGAGCTGTGAGACTGGGGAGCAATTGACC 132  
 QY 595 ATCGTCTCTGAGATGAGACTGTGTGAGCGGTCTGTGAGTCTTCAAGCAGAGAT 654  
 DB 133 ATCGTCTCTGAGATGAGACTGTGTGAGCGGTCTGTGAGTCTTCAAGCAGAGAT 192  
 QY 655 AACATCCCGACGCTCAAGTGGCCAAAGTCTCCCATGGGTGCTGTATGAGGCTGAGC 714  
 DB 193 AACATCCCGACGCTCAAGTGGCCAAAGTCTCCCATGGGTGCTGTATGAGGCTGAGC 252  
 QY 715 AGGAGAAACAGAGAACTGTGTTTAACTTGGAAACCTGAGAGGCTTCTCATC 774  
 DB 253 AGGAGAAACAGAGAACTGTGTTTAACTTGGAAACCTGAGAGGCTTCTCATC 312  
 QY 775 GCGAGAGCCAGACAGAGAGGCTCTTACTCTGTACAGTCCGCTCAAGCCGCTGCA 834  
 DB 313 GCGAGAGCCAGACAGAGAGGCTCTTACTCTGTACAGTCCGCTCAAGCCGCTGCA 372  
 QY 835 TCTGGAGCCGATCAGACACTACAGATCACTGCTTGAACAATGCTGCTGATATC 894  
 DB 373 TCTGGAGCCGATCAGACACTACAGATCACTGCTTGAACAATGCTGCTGATATC 432  
 QY 895 TCACCGGCTCAAGTCCCTCACTCCAGGCTCGTGGAGCAATTAATCTAG 948  
 DB 433 TCACCGGCTCAAGTCCCTCACTCCAGGCTCGTGGAGCAATTAATCTAG 486

RESULT 75  
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; Sequence 1464, Application US/60226176  
; GENERAL INFORMATION:  
; APPLICANT: Ring, Huijun Z.  
; APPLICANT: Malsen, Gareth  
; APPLICANT: Townley, David  
; APPLICANT: Morris, Macdonald  
; TITLE OF INVENTION: Single Nucleotide Polymorphisms Associated With ADME Genes  
; FILE REFERENCE: GX-0013-1 P  
; CURRENT APPLICATION NUMBER: US/60/226,176  
; CURRENT FILING DATE: 2000-08-16  
; NUMBER OF SEQ ID NOS: 2447  
; SOFTWARE: PERL Program  
; SEQ ID NO 1464  
; LENGTH: 66741  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: GB:AL031662\_25  
US-60-226-176-1464

Query Match 14.0%; Score 359; DB 66; Length 66741;  
Best Local Similarity 100.0%; Pred. No. 1.5e-50;  
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 13 GTCGAGCTAGAGCTCCAAAGACCCCAAGCTGTGTCTGTGTGACAGAGCTCAAGAGGCC 72  
DB 54797 GTCGAGCTAGAGCTCCAAAGACCCCAAGCTGTGTCTGTGTGACAGAGCTCAAGAGGCC 54856  
  
QY 73 CTGGGCTTCCCTCCCTGCTCGGCTGTGTGTGGAGAGGTTCCCAAGTCCAGATCCCTA 132  
DB 54857 CTGGGCTTCCCTCCCTGCTCGGCTGTGTGTGGAGAGGTTCCCAAGTCCAGATCCCTA 54916  
  
QY 133 AGGAGCATGGGCACTGATCATCCCTGTGTACAACTGTGACTGACAGACAGATGCT 192  
DB 54917 AGGAGCATGGGCACTGATCATCCCTGTGTACAACTGTGACTGACAGACAGATGCT 54976  
  
QY 193 GAGTACCCCAACCAACCTAGCTCTCCCTGAAGATCCCTCCAGGCTGAGAGTTCT 252  
DB 54977 GAGTACCCCAACCAACCTAGCTCTCCCTGAAGATCCCTCCAGGCTGAGAGTTCT 55036  
  
QY 253 GGGTGTCTAGGACCAAGACACTGACAGACTTCCAGAGAGGCCCCCAAGCCCTAACT 312  
DB 55037 GGGTGTCTAGGACCAAGACACTGACAGACTTCCAGAGAGGCCCCCAAGCCCTAACT 55096  
  
QY 313 GTCCAGCGAAGAGAGCTCTCCAGCAGAGAGTGTCTCCCAAGCCTTTGATGACAAACCA 371  
DB 55097 GTCCAGCGAAGAGAGCTCTCCAGCAGAGAGTGTCTCCCAAGCCTTTGATGACAAACCA 55155

Search completed: April 1, 2003, 03:47:51  
Job time : 6702 secs

